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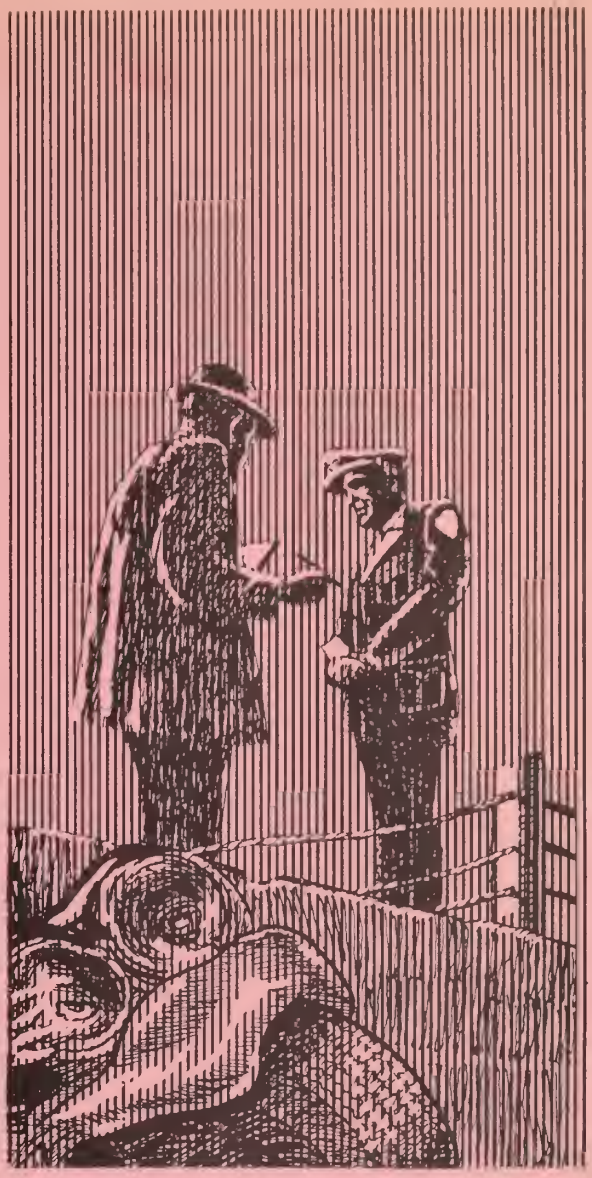

STATE HIGHWAY

FATAL MOTOR VEHICLE ACCIDENTS 1969

MASSACHUSETTS
DEPARTMENT OF
PUBLIC WORKS

TRAFFIC
ENGINEERING
SECTION

STATE HIGHWAY
FATAL MOTOR VEHICLE ACCIDENTS
1969

TRAFFIC ENGINEERING SECTION

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

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PUBLICATION NO. 717 APPROVED BY
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FOREWORD

The State of Massachusetts had a reduction from the year 1968 in calendar year 1969 of 21 fatal accidents and 24 fatalities on the State Highway System. However, this system still witnessed 287 fatal accidents and 319 fatalities.

These 319 fatalities represent a direct cost of approximately $11,800,000 to society.

Information contained within the following report represents a statistical presentation of data related to these fatal accidents. It was obtained from reports on file with the Registry of Motor Vehicles and has been compiled by the Accident Record Unit of the Traffic Engineering Section, Massachusetts Department of Public Works.

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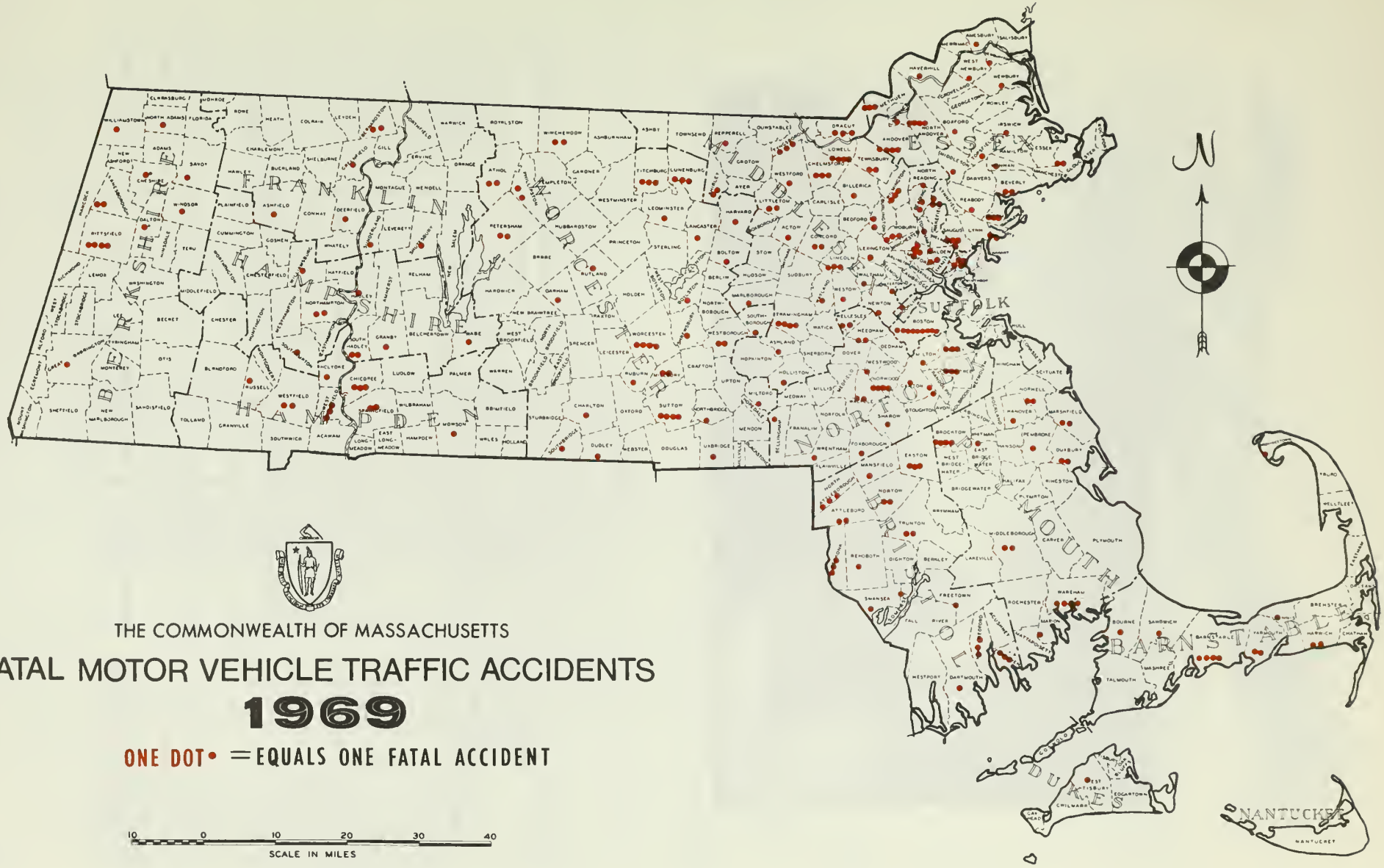


THE COMMONWEALTH OF MASSACHUSETTS

FATAL MOTOR VEHICLE TRAFFIC ACCIDENTS

1969

ONE DOT• =EQUALS ONE FATAL ACCIDENT

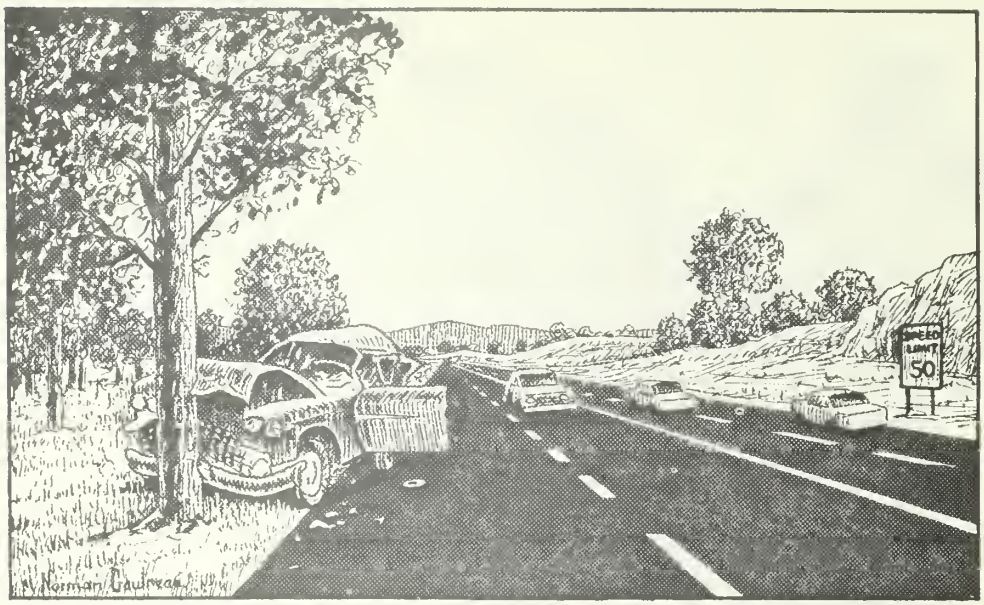
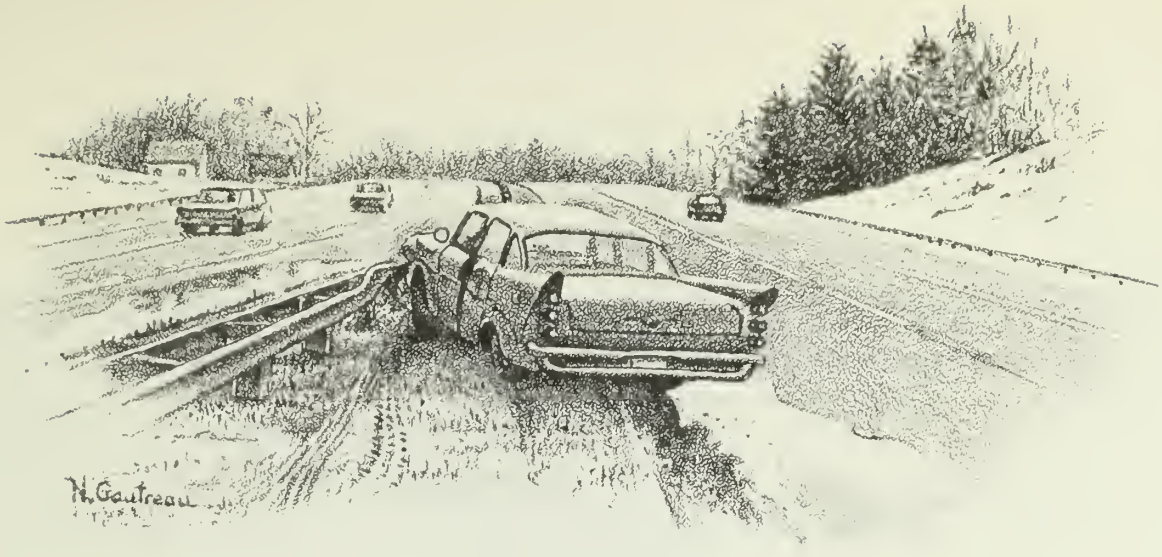


TABLE I

FATAL ACCIDENT AND FATALITY RATE BY YEAR

YEAR	VEHICLE MILES OF TRAVEL (100 MILLION)	NUMBER OF FATAL ACCIDENTS	FATAL ACCIDENT RATE	NUMBER OF FATALITIES	FATALITY RATE
1960	60.0	179	2.99	194	3.24
1961	61.9	159	2.57	183	2.96
1962	63.4	222	3.50	243	3.83
1963	65.7	221	3.36	250	3.80
1964	68.4	252	3.70	275	4.04
1965	70.9	278	3.92	315	4.44
1966	73.9	302	4.09	337	4.56
1967	90.5	286	3.16	345	3.81
1968	93.3	308	3.30	343	3.68
1969	118.71	287	2.42	319	2.69



GRAPH I

VEHICLE TRAVEL vs. DEATHS and DEATH RATES

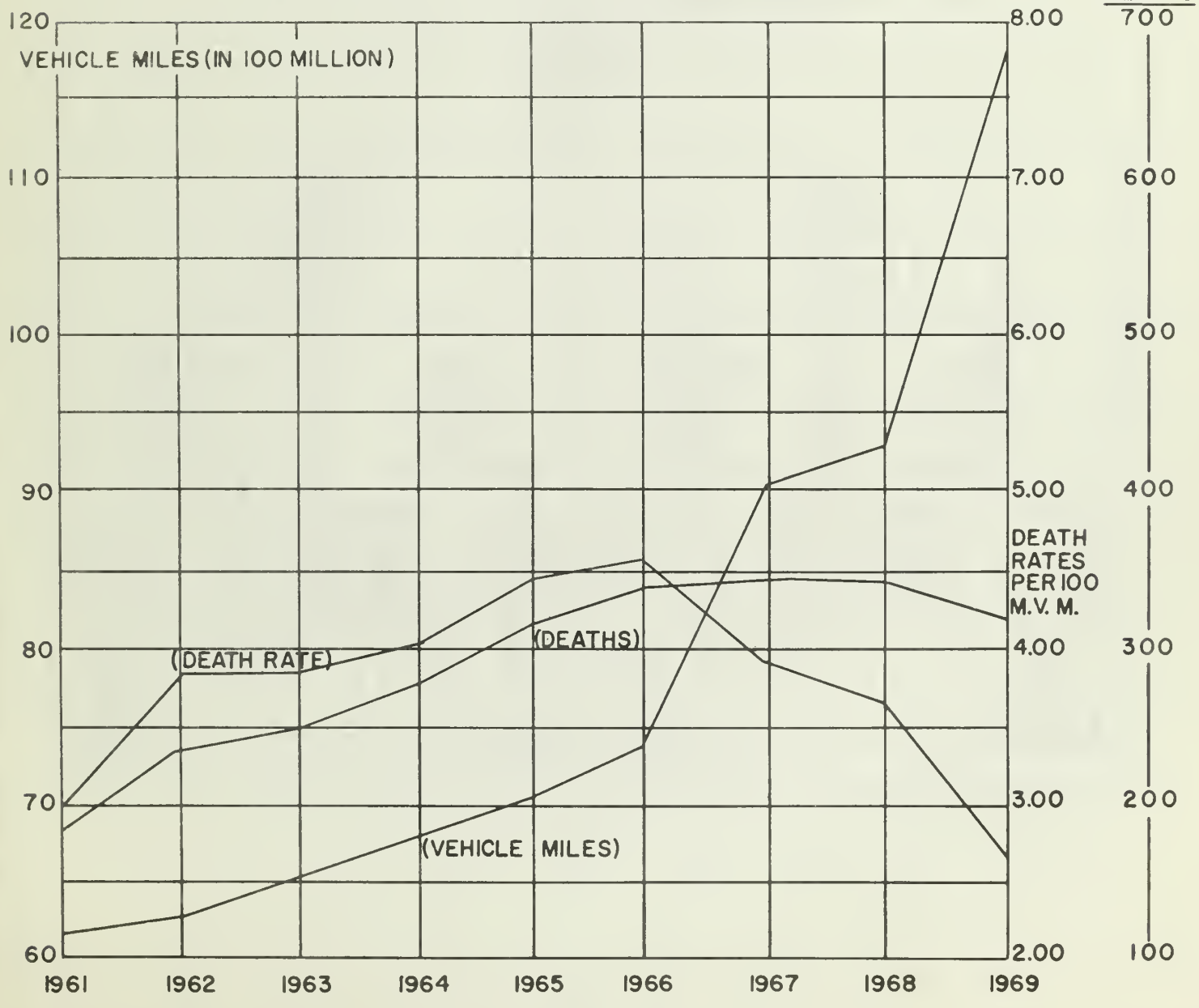
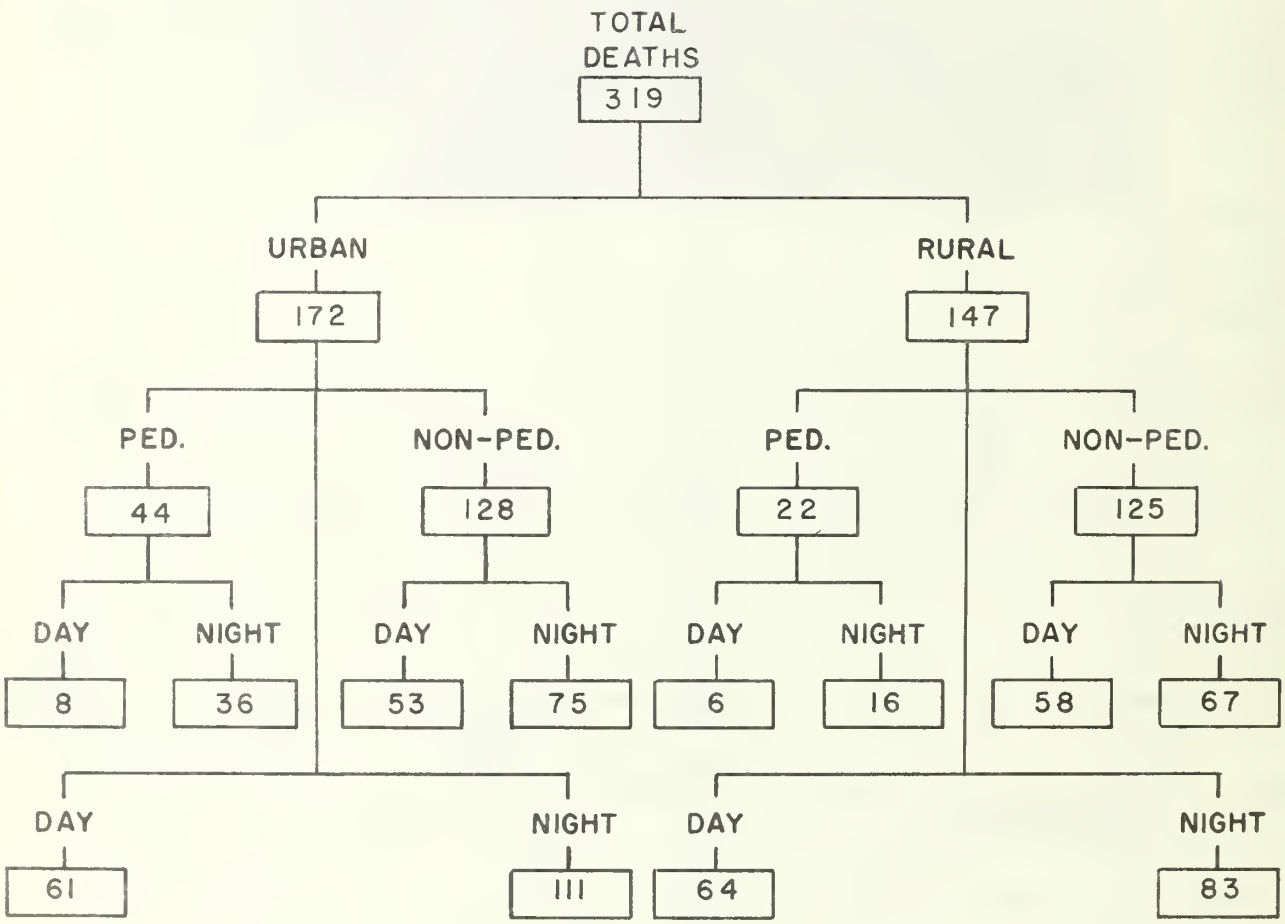


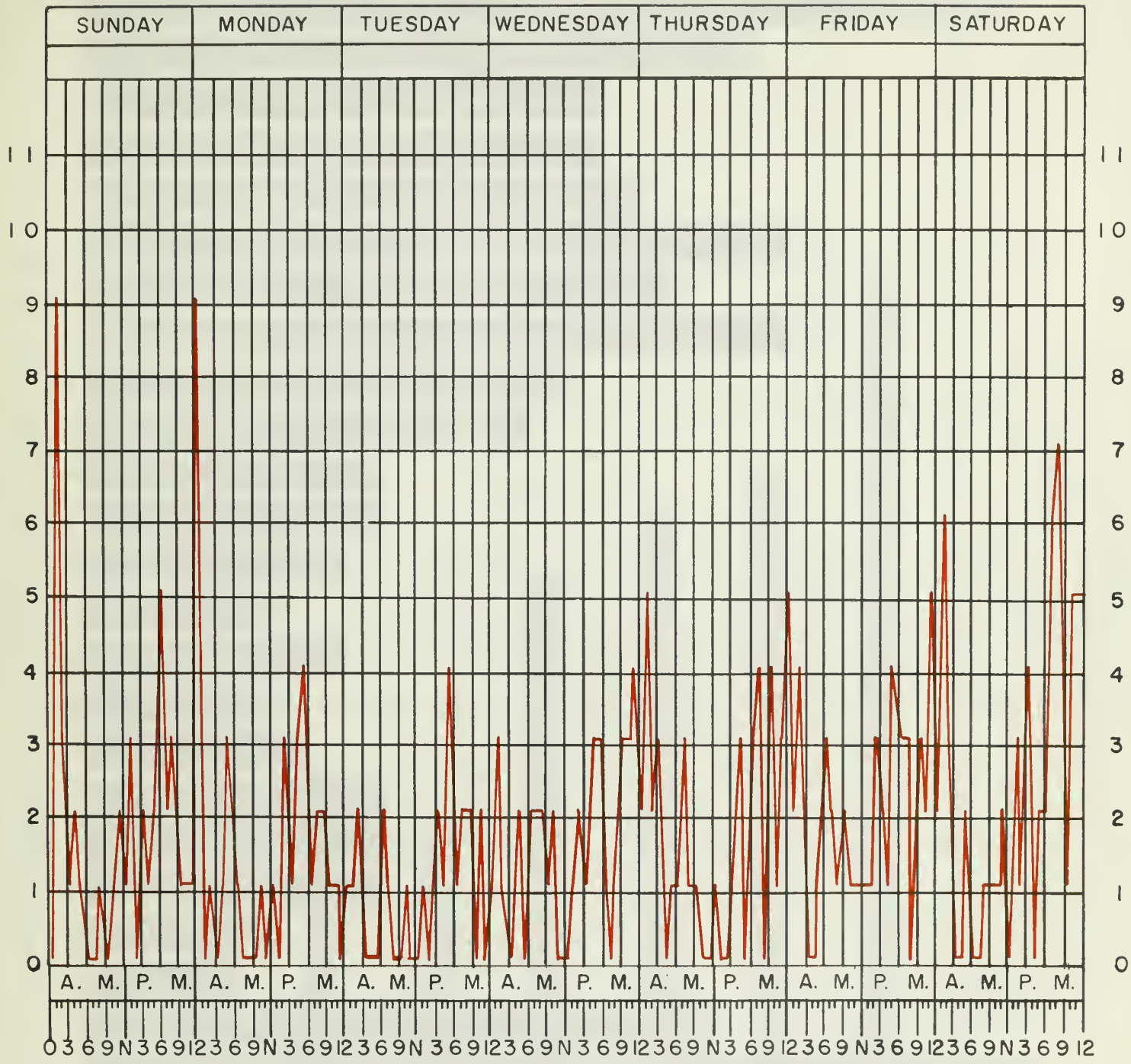
TABLE II

PRINCIPAL CLASSES OF MOTOR VEHICLE DEATHS



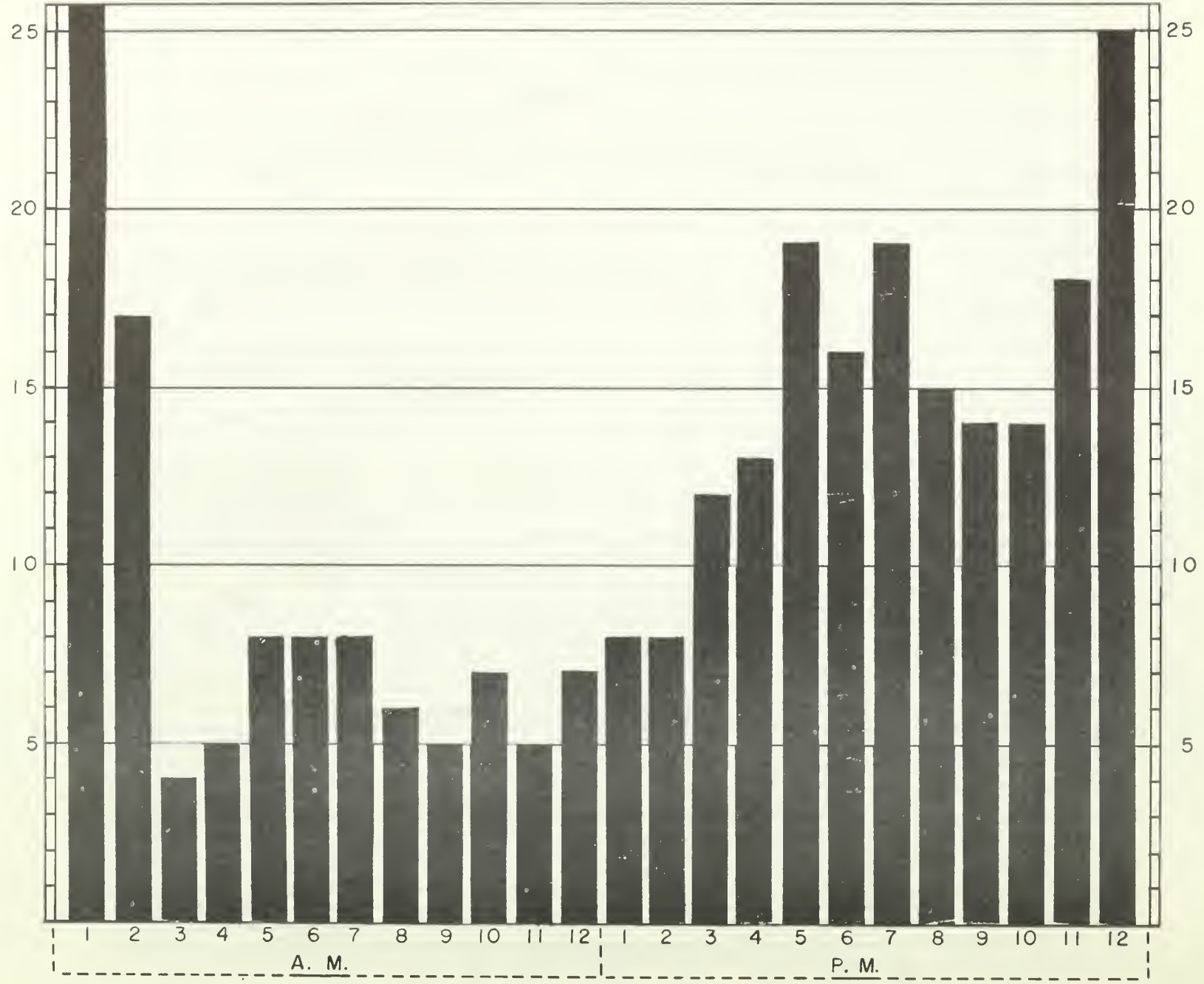
GRAPH II

FATAL ACCIDENTS BY HOUR OF THE DAY



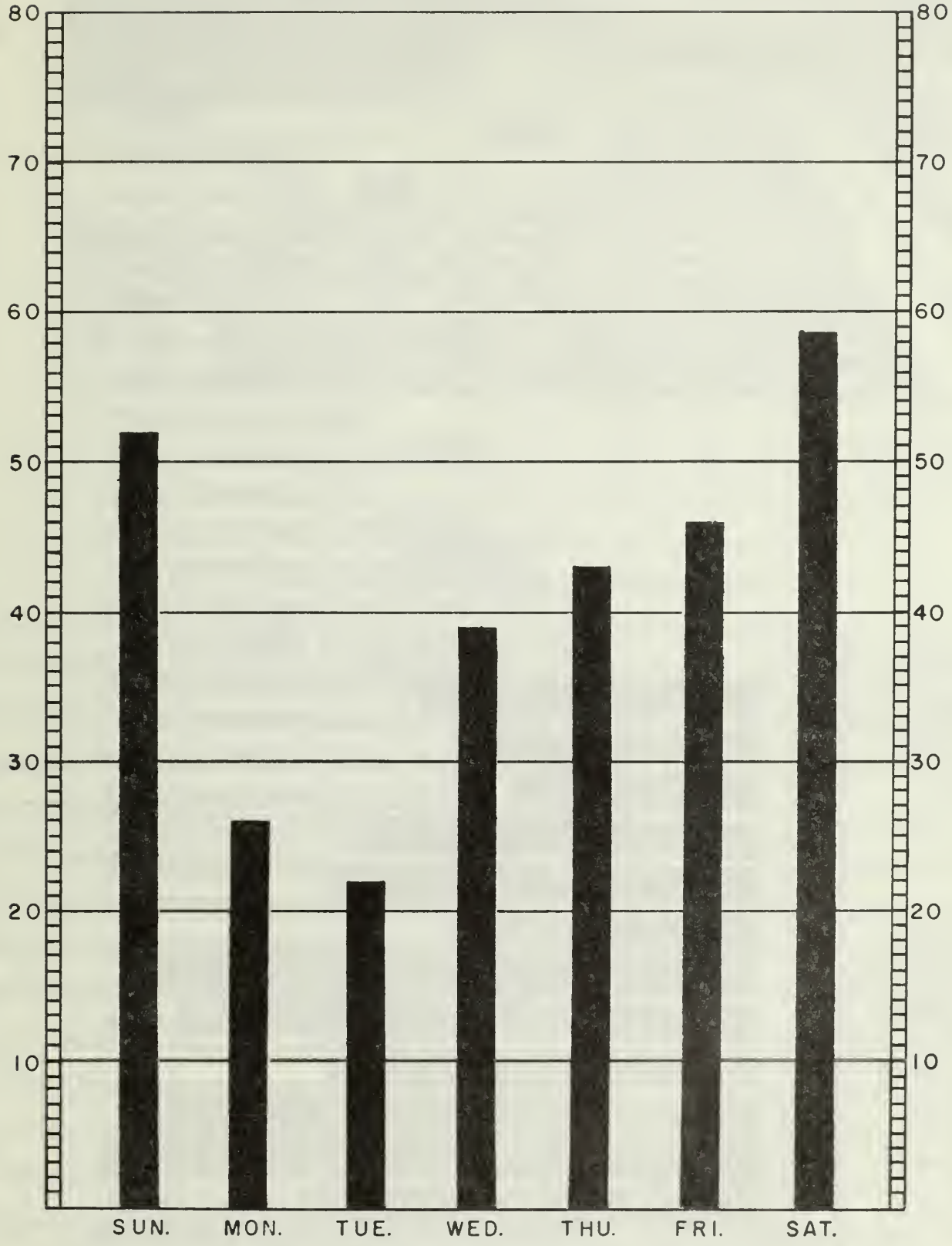
GRAPH III

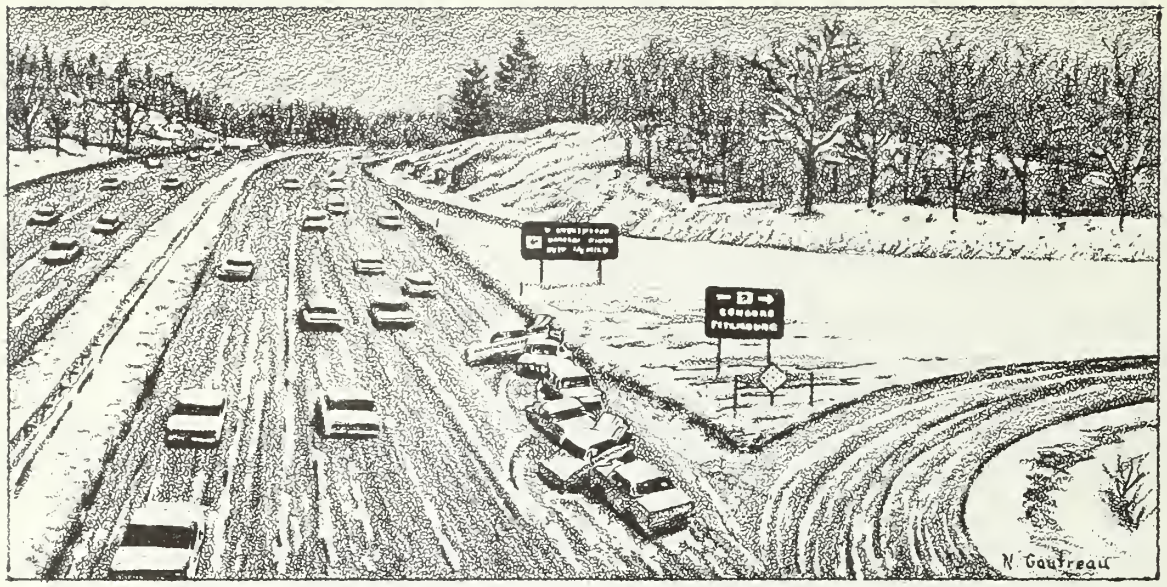
FATAL ACCIDENTS BY HOUR OF THE DAY
(YEARLY AVERAGE)



GRAPH IV

FATAL ACCIDENTS BY DAY OF WEEK





GRAPH V

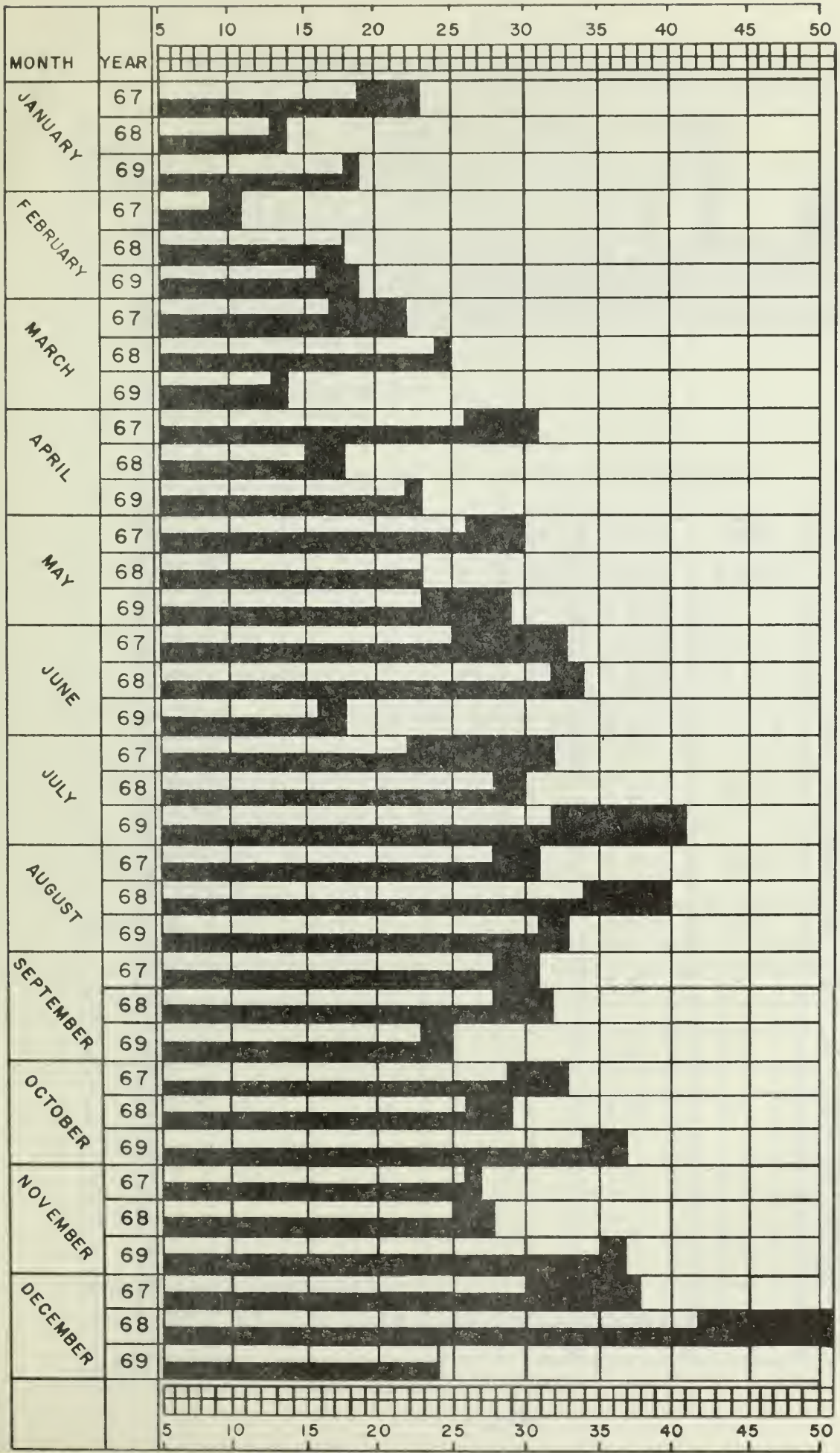
FATAL ACCIDENTS BY MONTH OF THE YEAR

MONTH	FATAL ACCIDENTS PER MONTH
JANUARY	18
FEBRUARY	16
MARCH	13
APRIL	22
MAY	23
JUNE	16
JULY	32
AUGUST	31
SEPTEMBER	23
OCTOBER	34
NOVEMBER	35
DECEMBER	24
TOTAL	287

5 10 15 20 25 30 35 40

GRAPH VI

FATAL ACCIDENTS AND FATALITIES
BY MONTH AND YEAR



LEGEND

NUMBER OF	
ACCIDENTS	FATALITIES

1967
1968
1969

1967 TOTAL	
ACCIDENTS	FATALITIES
286	345

1968 TOTAL	
ACCIDENTS	FATALITIES
308	343

1969 TOTAL	
ACCIDENTS	FATALITIES
287	319

TABLE III

FATALITIES BY AGE AND SEX OF VICTIM

FATALITY AGE	SUM TOTALS	% OF TOTAL	DRIVERS		PEDESTRIANS		PASSENGERS	
			M	F	M	F	M	F
0–4	7	2.2	—	—	—	1	2	4
5–9	3	0.9	—	—	2	—	1	—
10–14	12	3.6	1	—	7	2	2	—
15–19	45	14.1	21	2	5	1	11	5
20–24	59	18.5	34	3	3	1	12	6
25–34	49	15.4	32	—	7	—	6	4
35–44	42	13.2	24	4	5	—	4	5
45–54	27	8.5	13	4	4	2	1	3
55–64	39	12.2	14	7	9	2	3	4
65–74	18	5.7	6	—	5	4	2	1
75 AND OVER	18	5.7	5	—	4	1	0	8
UNKNOWN								
TOTAL	319	100.00	150	20	51	14	44	40

GRAPH VII

FATALITIES BY AGE OF DRIVERS INVOLVED

TABLE IV

RESIDENCE OF DRIVERS INVOLVED IN FATAL ACCIDENTS

ACCIDENT INVOLVING:	NO. OF DRIVERS	% OF TOTAL
LOCAL RESIDENT	322	76.4
RESIDENT ELSEWHERE IN STATE	31	7.4
OUT OF STATE RESIDENT	61	14.5
UNKNOWN	7	1.7
TOTAL	421	100.00

TABLE V

SEX OF DRIVERS INVOLVED IN FATAL ACCIDENTS

SEX	NO. OF DRIVERS	% OF TOTAL
MALE	353	83.9
FEMALE	59	14.0
UNREPORTED	9	2.1
TOTAL	421	100.00

TABLE VI

FATAL ACCIDENTS BY LIGHT CONDITIONS

LIGHT CONDITION	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DAYLIGHT	102	35.6	117	36.7
DAWN OR DUSK	17	5.9	19	6.0
DARKNESS	168	58.5	183	57.3
NOT STATED	0	——	0	——
TOTALS	287	100.00	319	100.00

TABLE VII

FATAL ACCIDENTS BY WEATHER CONDITIONS

WEATHER	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
CLEAR	196	68.3	221	69.3
CLOUDY	32	11.2	36	11.3
FOG	5	1.7	6	1.9
RAIN	43	15.0	45	14.1
SLEET	0	0	0	0
SNOW	11	3.8	11	3.4
TOTAL	287	100.00	319	100.00

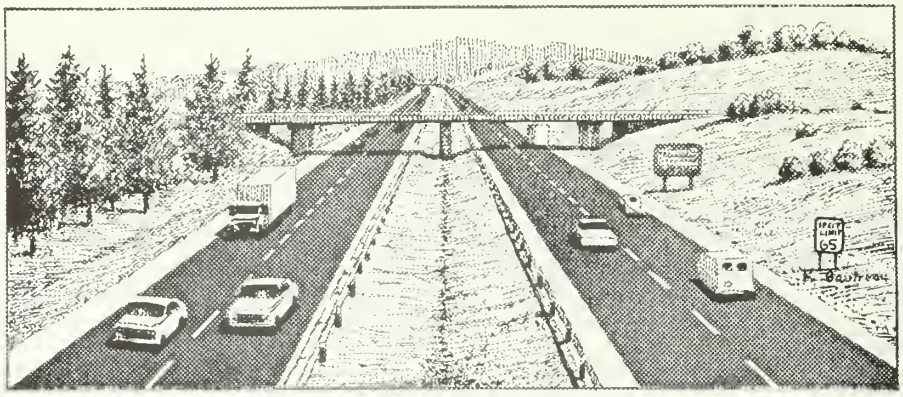


TABLE VIII

FATAL ACCIDENTS BY SURFACE CONDITION

CONDITION OF ROAD SURFACE	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DRY	211	73.5	239	74.9
WET	60	20.9	63	19.8
SNOW	6	2.1	6	1.9
ICE	10	3.5	11	3.4
OTHER	—	—	—	—
TOTALS	287	100.00	319	100.00

TABLE IX

FATAL ACCIDENTS

BY TYPE OF VEHICLE ACCIDENT

TYPE OF MOTOR VEHICLE ACCIDENT	NO. OF ACCIDENTS	NO. OF FATALITIES
COLLISION ON ROADWAY WITH:		
ANOTHER MOTOR VEHICLE IN ROADWAY	105	127
ANOTHER MOTOR VEHICLE ON SHOULDER	5	5
PEDESTRIAN	63	64
FIXED OBJECT ON SHOULDER, SIDEWALK OR ISLAND	34	37
BICYCLE	2	2
RAILROAD TRAIN	—	—
OTHER OBJECT	—	—
OVERTURNED ON ROADWAY	2	2
OTHER NON-COLLISION	1	1
ANGLE	20	25
STRAIGHT	50	66
OVERTAKING AND/OR PASSING	3	3
RIGHT TURN	3	3
LEFT TURN	6	7
U-TURN	—	—
BACKING	1	1
REAR END	22	22
RAN OFF ROADWAY	115	123
GENERAL (NO COLLISION)	5	5
HIT OBJECT BEYOND SHOULDER OR SIDEWALK	61	66
HIT OBJECT ON MEDIAN	15	15

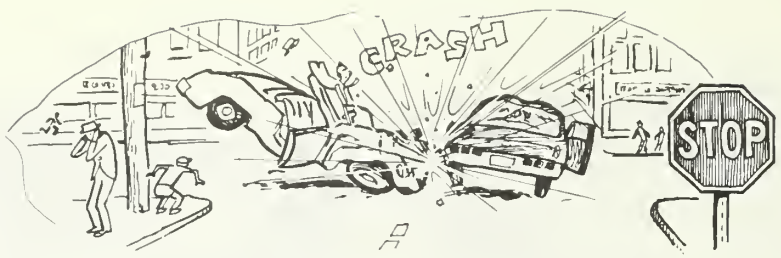


TABLE X

FATAL ACCIDENTS

BY TYPE OF MOTOR VEHICLE ACCIDENT

–COLLISION AT INTERSECTION–

COLLISION OF TWO OR MORE VEHICLES IN TRAFFIC AT AN INTERSECTION	NUMBER OF ACCIDENTS	NUMBER OF FATALITIES
ENTERING FROM SAME DIRECTION:		
Both Going Straight	2	5
One Turn, One Straight	2	5
One Stopped	—	—
All Others	—	—
ENTERING FROM OPPOSITE DIRECTION:		
Both Going Straight	4	5
One Turn, One Straight	7	9
One Stopped	—	—
All Others	—	—
ENTERING INTERSECTION:		
At Angle	8	8
At Rotary	—	—
At On-Ramp	—	—
At Off-Ramp	—	—
TOTALS	23	32

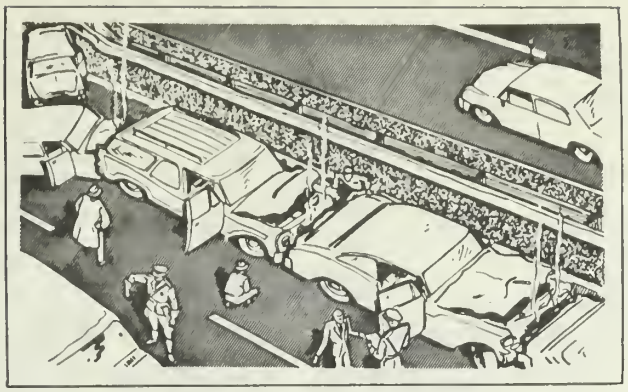


TABLE XI

FATAL ACCIDENTS BY TYPE OF MOTOR VEHICLE ACCIDENT
COLLISION NOT AT INTERSECTION

COLLISION OF TWO OR MORE MOTOR VEHICLES IN TRAFFIC NOT AT INTERSECTION	NO. OF ACCIDENTS	NO. OF FATALITIES
GOING OPPOSITE DIRECTION—BOTH MOVING	53	65
GOING SAME DIRECTION—BOTH MOVING	14	15
ONE CAR PARKED	7	7
ONE CAR STOPPED IN TRAFFIC	5	5
ONE CAR ENTERING PARKED POSITION	—	—
ONE CAR LEAVING PARKED POSITION	—	—
ONE CAR ENTERING ALLEY OR DRIVEWAY	—	—
ONE CAR LEAVING ALLEY OR DRIVEWAY	2	2
ALL OTHERS	—	—
TOTAL NOT AT INTERSECTION	81	94

TABLE XII

FATAL ACCIDENTS AND FATALITIES BY

CONTRIBUTING CIRCUMSTANCES

CONTRIBUTING CIRCUMSTANCES INDICATED	NO. OF ACCIDENTS	NO. OF FATALITIES
ALCOHOL INVOLVED *	38	45
SPEED TOO FAST FOR CONDITIONS	58	68
FAILED TO YIELD RIGHT OF WAY	17	18
IMPROPER OVERTAKING AND/OR PASSING	5	8
WRONG WAY DRIVING	—	—
DROVE LEFT OF CENTER (ON WRONG SIDE OF ROAD, NOT OVERTAKING)	23	26
FAILED TO GIVE PROPER SIGNAL	—	—
IMPROPER TURNING MOVEMENTS	2	2
OPERATING UREGISTERED-UNINSURED VEHICLE	1	1
DISREGARDED TRAFFIC SIGNAL	—	—
DISREGARDED WARNING OR STOP SIGN	4	4
OTHER IMPROPER DRIVING	15	15
LEAVING SCENE OF ACCIDENT	3	3
NO VIOLATION	119	127
NOT STATED	2	2

* AS TAKEN FROM INVESTIGATORS REPORT PRIOR TO BLOOD ALCOHOL RESULTS KNOWN.

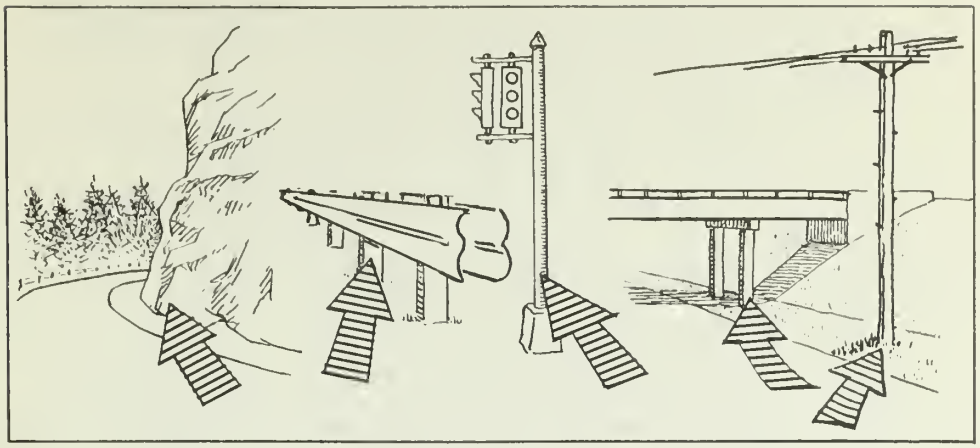


TABLE XIII

FATAL ACCIDENTS INVOLVING FIXED OBJECTS

OBJECT INVOLVED	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
BRIDGE ABUTMENT & PIER	8	7.0	8	6.5
BRIDGE RAILING	1	0.9	1	0.8
CURBING	4	3.5	4	3.3
UTILITY POLE	25	21.7	28	22.8
GUARD RAIL	13	11.3	13	10.6
LEDGE OR BANK	3	2.6	3	2.4
SIGN SUPPORT	3	2.6	3	2.4
POSTS	11	9.6	11	9.0
STONE WALL	3	2.6	3	2.4
TREE	31	26.9	36	29.3
ENTERED MEDIAN	3	2.6	3	2.4
CROSSED MEDIAN	2	1.7	2	1.6
MISCELLANEOUS	8	7.0	8	6.5
TOTAL	115	100.00	123	100.00

TABLE XIV

MANEUVERS INVOLVED IN PEDESTRIAN FATALITIES

PEDESTRIAN ACTION	NUMBER KILLED	% OF TOTAL	URBAN	RURAL
CROSSING OR ENTERING AT INTERSECTION	9	13.7	6	3
CROSSING BETWEEN INTERSECTIONS	32	48.5	21	11
WALKING IN ROADWAY WITH TRAFFIC	6	9.1	4	2
WALKING IN ROADWAY AGAINST TRAFFIC	6	9.1	5	1
STANDING IN ROADWAY	3	4.6	1	2
GETTING ON OR OFF VEHICLES	1	1.5	1	0
PUSHING OR WORKING ON VEHICLE IN ROADWAY	2	3.0	2	0
WORKING IN ROADWAY	2	3.0	1	1
BICYCLIST	2	3.0	1	1
OTHER IN ROADWAY	1	1.5	1	0
NOT IN ROADWAY	2	3.0	1	1
TOTALS	66	100.00	44	22

TABLE XV

PEDESTRIAN ACTIONS BY AGE

PEDESTRIAN ACTION	PEDESTRIANS KILLED AGE								
	TOTAL	0-10	11-20	21-30	31-40	41-50	51-60	61-70	71-+
CROSSING OR ENTERING ROADWAY AT INTERSECTION	8	3	—	—	—	—	2	2	1
CROSSING BETWEEN INTERSECTIONS	31	4	4	3	2	4	3	6	5
WALKING IN ROADWAY WITH TRAFFIC	9	—	3	1	1	1	1	2	—
WALKING IN ROADWAY AGAINST TRAFFIC	3	—	—	—	—	—	1	1	1
STANDING IN ROADWAY	3	—	1	—	1	—	—	1	—
GETTING ON OR OFF OTHER VEHICLE	1	—	—	—	—	—	—	—	1
PUSHING OR WORKING ON VEHICLE IN ROADWAY	3	—	1	—	—	2	—	—	—
WORKING IN ROADWAY	2	—	1	—	1	—	—	—	—
PLAYING IN ROADWAY	—	—	—	—	—	—	—	—	—
OTHER IN ROADWAY—BICYCLIST	4*	—	1*	1	1*	—	—	1	—
NOT IN ROADWAY	2	—	2	—	—	—	—	—	—
NOT STATED	—	—	—	—	—	—	—	—	—
*BICYCLIST TOTAL	66	7	13	5	6	7	7	13	8

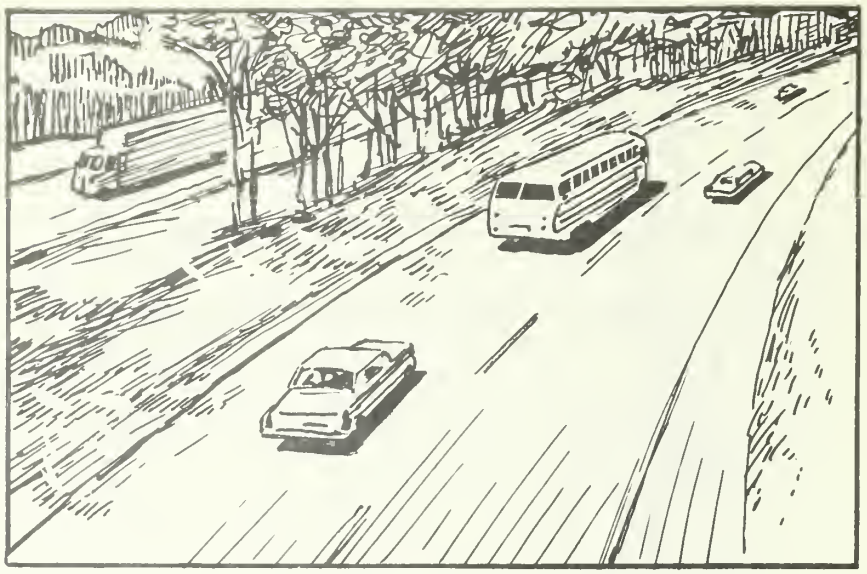


TABLE XVI

FATAL ACCIDENTS BY TYPE OF VEHICLE INVOLVED

TYPE OF VEHICLE	NO. OF ACCIDENTS	% OF TOTAL	FATALITIES	% OF TOTAL
PASSENGER CARS	261	90.9	291	91.2
PASSENGER CAR AND TRAILER	—	—	—	—
TRUCK OR TRUCK TRACTOR	3	1.1	3	0.9
TRUCK TRACTOR AND SEMI-TRAILER	4	1.4	4	1.3
OTHER TRUCK COMBINATION	12	4.2	12	3.8
TAXI CAB	—	—	—	—
BUS	—	—	—	—
SCHOOL BUS	—	—	—	—
MOTORCYCLE	6	2.1	8	2.5
MOTOR SCOOTER OR MOTORBIKE	—	—	—	—
OTHER AND NOT STATED	1	0.3	1	0.3
EMERGENCY VEHICLES	—	—	—	—
MILITARY VEHICLES	—	—	—	—
OTHER PUBLICLY OWNED VEHICLES	—	—	—	—
TOTALS	287	100.00	319	100.00

TABLE XVII

INVOLVEMENT OF PASSENGER VEHICLES

FATAL ACCIDENTS AND FATALITIES BY

COUNTRY OF MANUFACTURER

COUNTRY	ACCIDENTS	% OF TOTAL	FATALITIES	% OF TOTAL
ENGLAND	7	2.7	8	2.8
FRANCE	2	0.8	4	1.4
GERMANY	24	9.2	28	9.6
ITALY	—	—	—	—
SWEDEN	—	—	—	—
UNITED STATES	189	72.4	207	71.1
UNREPORTED	39	14.9	44	15.1
TOTAL	261	100.00	291	100.00

TABLE XVIII

INVOLVEMENT OF PASSENGER VEHICLES
IN FATAL ACCIDENTS AND FATALITIES
vs. PERCENT REGISTRATIONS

	NUMBER & % INVOLVEMENT IN FATAL ACCIDENTS		NUMBER & % INVOLVEMENT IN FATALITIES		NUMBER VEHICLE REGISTRATIONS AS A PERCENTAGE
DOMESTIC CARS	NO.	%	NO.	%	
BUICK	10	3.8	10	3.5	5.8
CADILLAC	5	1.9	5	1.7	2.4
CHEVROLET	52	20.0	60	20.6	26.7
CHRYSLER	4	1.5	4	1.4	1.9
DODGE	10	3.8	10	3.5	5.1
FORD	47	18.0	51	17.5	21.0
MERCURY	7	2.7	7	2.4	3.5
OLDSMOBILE	13	5.0	13	4.4	5.9
PLYMOUTH	14	5.4	15	5.2	6.9
PONTIAC	18	6.9	21	7.2	7.0
RAMBLER	8	3.1	10	3.5	5.1
MISC. AMERICAN	1	0.4	1	0.3	0.7
FOREIGN CARS					
AUSTIN HEALEY	2	0.8	3	1.0	0.1
M.G.	2	0.8	2	0.7	0.2
RENAULT	2	0.8	4	1.4	0.3
TRIUMPH	3	1.1	3	1.0	0.2
VOLKSWAGEN	24	9.1	28	9.6	4.9
MISC. FOREIGN	9	3.4	9	3.0	2.3
UNREPORTED	30	11.5	35	12.1	—
TOTALS	261	100.00	291	100.00	100.00

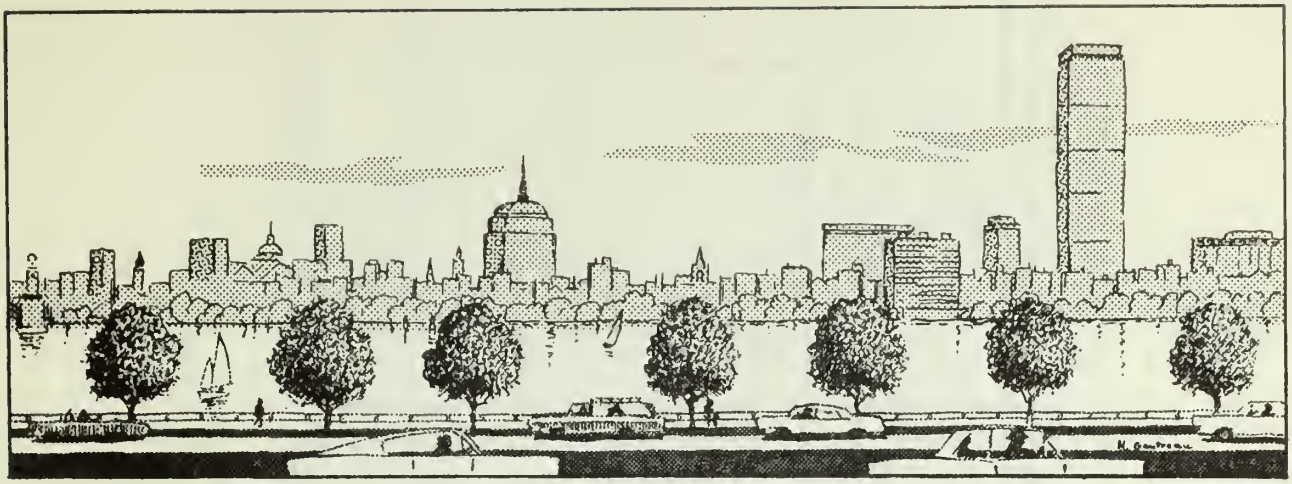


TABLE XIX

LOCATION BY CITY/TOWN POPULATION GROUPS

GROUP NUMBER	POPULATION (1965 CENSUS)	NO. OF ACCIDENTS	NO. OF FATALITIES
1	OVER 500,000	8	8
2	100,001 TO 250,000	13	14
3	50,001 TO 100,000	31	34
4	25,001 TO 50,000	51	51
5	10,001 TO 25,000	88	98
6	5,001 TO 10,000	41	43
7	1,001 TO 5,000	45	59
8	UNDER 1,000	10	12
	TOTALS	287	319

TABLE XX

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	URBAN*																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UNDIVIDED HIGHWAY						TWO LANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	5	5	—	—	2	3	—	—	—	—	15	17	2	2	—	—	6	7
REAR END	8	8	1	1	—	—	—	—	—	—	2	2	—	—	—	—	2	2
OVERTAKING & PASSING	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
DRIVING OFF ROADWAY	31	31	1	1	10	10	—	—	—	—	6	7	2	2	—	—	16	18
PEDESTRIAN	16	16	—	—	7	7	—	—	—	—	13	14	—	—	—	—	7	7
LEFT & U TURNS	—	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	1	1
RIGHT TURNS & CROSS MOVEMENTS	—	—	—	—	1	1	—	—	—	—	1	1	—	—	—	—	5	5
UNCLASSIFIED	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS	61	61	2	2	21	22	—	—	—	—	39	43	4	4	—	—	38	41

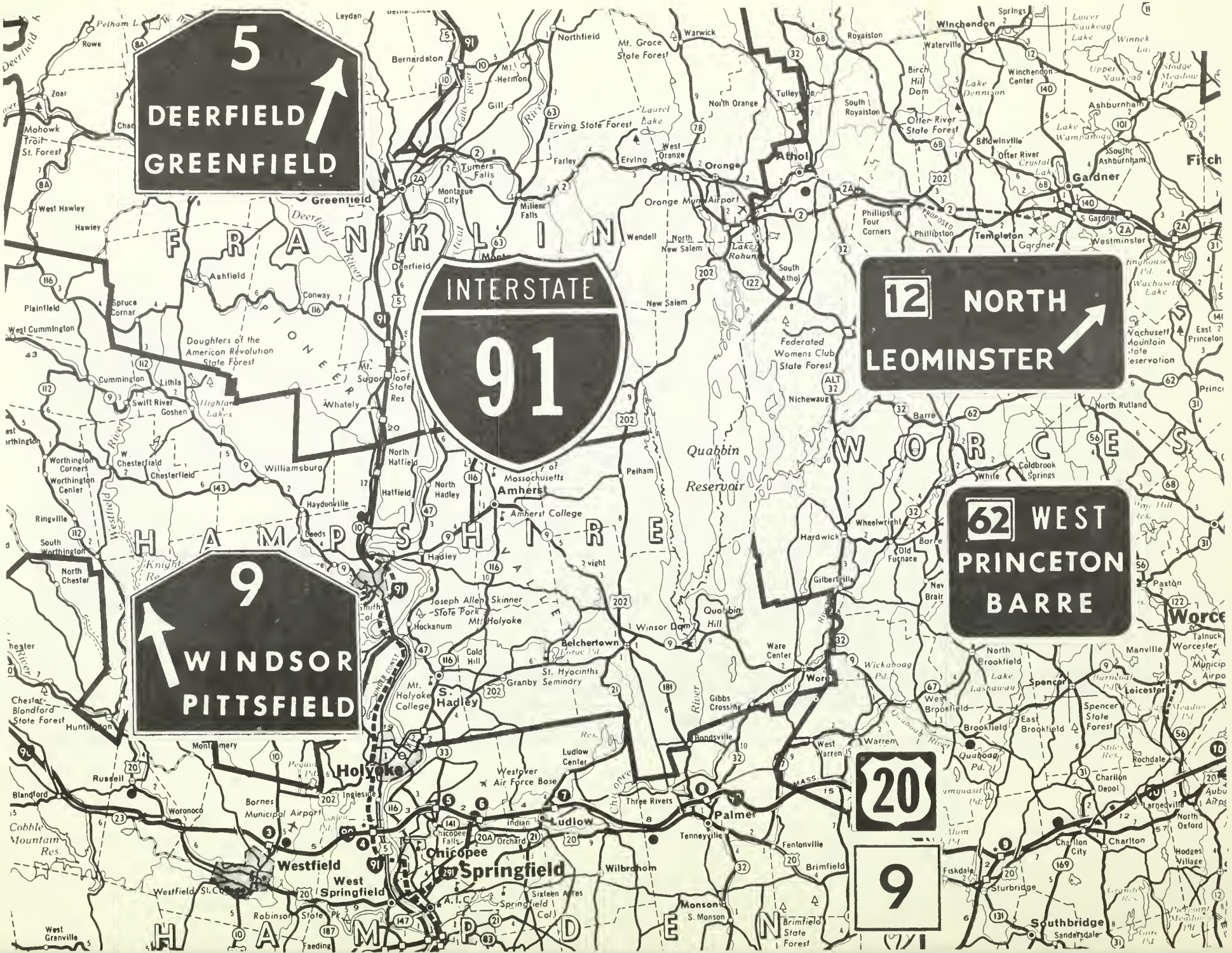
TOTAL URBAN ACCIDENTS	165

TABLE XXI

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	RURAL *																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UNDIVIDED HIGHWAY						TWO LANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	3	8	—	—	—	—	—	—	—	—	5	7	1	1	—	—	11	16
REAR END	6	6	—	—	1	1	—	—	—	—	1	1	—	—	—	—	1	1
OVERTAKING & PASSING	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
DRIVING OFF ROADWAY	12	14	—	—	—	—	—	—	—	—	8	8	1	2	—	—	28	31
PEDESTRIAN	4	4	—	—	—	—	—	—	—	—	9	9	—	—	—	—	9	9
LEFT & U TURNS	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	2	3
RIGHT TURNS & CROSS MOVEMENTS	2	2	1	1	—	—	—	—	1	1	4	4	2	3	—	—	6	10
UNCLASSIFIED	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
TOTALS	29	36	1	1	1	1	—	—	1	1	28	30	4	6	—	—	58	71

TOTAL RURAL ACCIDENTS	122

TOTAL URBAN-RURAL ACCIDENTS	287


5
DEERFIELD
GREENFIELD
INTERSTATE
91
12
NORTH
LEOMINSTER
62
WEST
PRINCETON
BARRE
9
WINDSOR
PITTSFIELD
20
9
FRANKLIN
HAMPSHIRE
WORCESTER
HAMPDEN
Greenfield
Deerfield
Northfield
Mt. Grace State Forest
Warwick
Winchendon
Athol
Orange
Gardner
Templeton
Westminster
Amherst
Quabbin Reservoir
Federated Womens Club State Forest
Doughters of the American Revolution State Forest
Mt. Sugarloaf State Res
Erving State Forest
Otter River State Forest
Williamsburg
Northampton
Holyoke
Westfield
Chicopee
Springfield
West Springfield
Ludlow
Palmer
Belchertown
Granby
S. Hadley
Mt. Holyoke College
Amherst College
Worcester
Leicester
Spencer
Southbridge
Sturbridge
Charlton
Oxford
Brookfield
Warren
Monson
Wilbraham
Longmeadow
Agawam
Westover Air Force Base
Bradley International Airport
Quabbin Hill
Winsor Dam
Three Rivers
Chicopee Falls
Indian Orchard
Sixteen Acres
Robinson State Park
Cobble Mountain Res.
Chester-Blandford State Forest
Brimfield State Forest
Bondsville
Gibbs Crossing
Ware Center
Old Furnace
Coldbrook Springs
North Brookfield
West Brookfield
East Brookfield
Charlton City
Charlton Depot
Fiskdale
Sandersdale
Hodges Village
Tenneyville
Fentonville
Brimfield
Monson
S. Monson
Wheelwright
Hardwick
Gilbertville
Barre
Oakham
Rutland
North Rutland
Paxton
Holden
Rochdale
Auburn
Millbury
Worcester
Manville
Talnuck
Municipal Airport
Bernardston
Leyden
Rowe
Zoar
Mohawk Trail St. Forest
West Hawley
Hawley
Ashfield
Conway
Plainfield
Spruce Corner
West Cummington
Cummington
Swift River
Goshen
Whately
Deerfield
Montague City
Turners Falls
Millers Falls
Gill
Farley
Erving
West Orange
North Orange
Tully Lake
Laurel Lake
Lake Rohunta
Oronge Municipal Airport
Phillipston
Phillipston Four Corners
Royalston
South Royalston
Birch Hill Dam
Lake Dennison
Winchendon Springs
Waterville
Winchendon Center
Upper Naukeag Lake
Lower Naukeag Lake
Ashburnham
South Ashburnham
Baldwinville
Crystal Lake
Lake Wampanoag
Fitchburg
East Princeton
Wachusett Mountain State Reservation
Wachusett Lake
Nichewaug
New Salem
North New Salem
South Athol
Wendell
Pelham
North Hadley
Hatfield
Haydenville
Leeds
Hadley
Hockanum
Joseph Allen Skinner State Park
Mt. Holyoke
St. Hyacinths
Cold Hill
Ludlow Center
Chicopee
Orchard
Indian
Tenneyville
Fentonville
Wilbraham
Monson
Sixteen Acres
Springfield College
A.I.C.
Westfield State College
Westfield
Woronoco
Bornes Municipal Airport
Russell
Blandford
Huntington
Montgomery
Ingleside
Chicopee Falls
Ware
Quaboag Pond
Lake Lashaway
Wickaboag Pond
Stiles Reservoir
Rochdale
Charlton
Oxford
Hodges Village
Granite Reservoir
Fiskdale
Sturbridge
Sandersdale
Southbridge
Brimfield
Tenneyville
Palmer
Three Rivers
Ludlow
Indian Orchard
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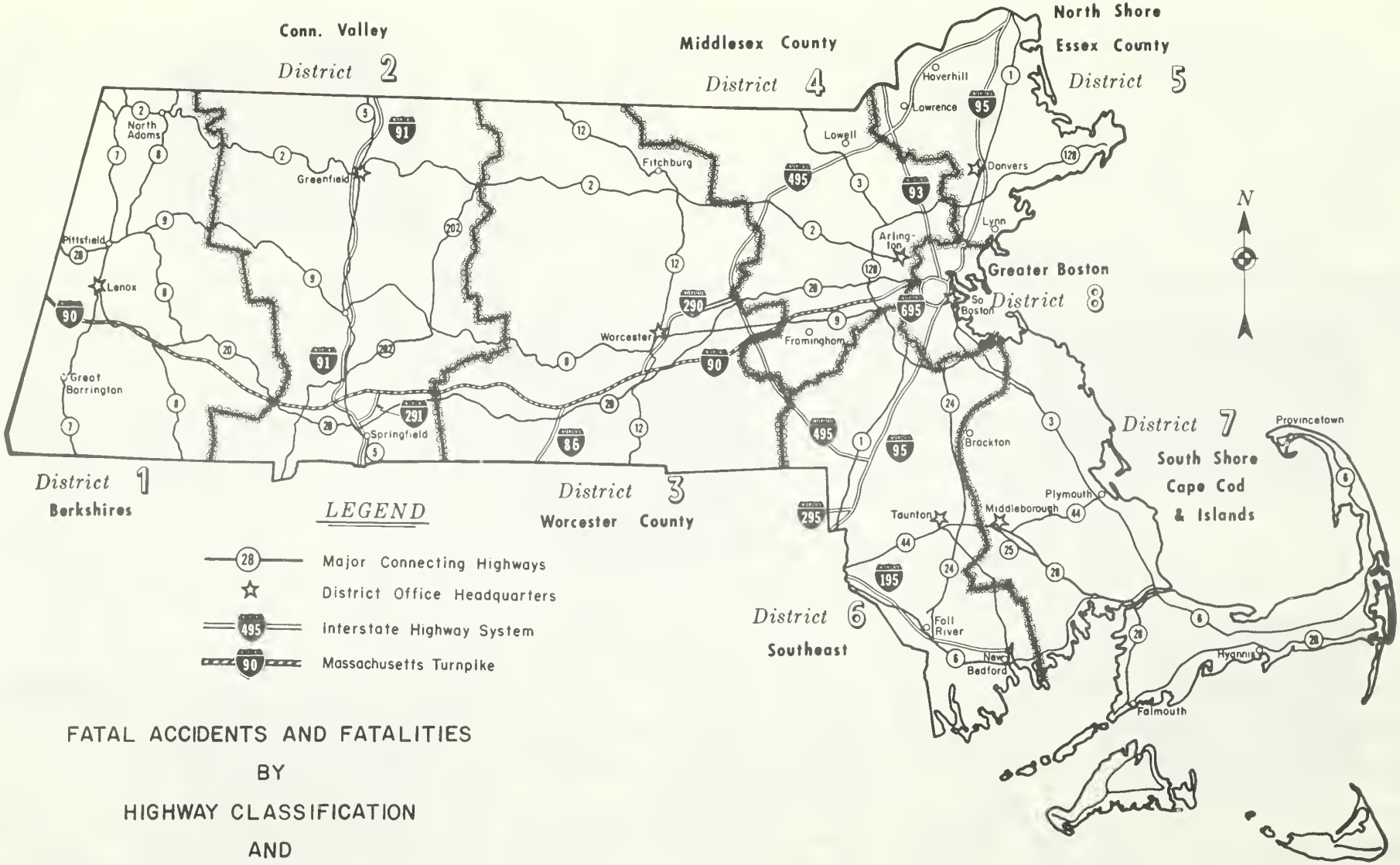
Gilbertville
Barre
Oakham
North Rutland
Paxton
Holden
Rochdale
Auburn
Millbury
Worcester
Manville
Talnuck
Municipal Airport

TABLE XXII

LOCATION BY ROUTE NUMBER

ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES
1	14	14	16	2	3	I-91	5	6	138	2	2
1A	8	9	20	17	20	I-93	13	14	139	1	2
C1	6	6	21	1	1	I-95	6	6	140	4	4
2	12	13	23	1	1	103	1	1	146	5	5
2A	9	9	24	3	3	107	3	3	146A	1	1
3	8	11	27	2	2	110	7	7	169	1	1
3A	2	2	28	12	18	112	1	1	I-195	2	3
5	2	2	30	3	3	113	3	3	197	1	1
5/10	1	2	31	2	2	114	4	5	202	2	2
6	18	20	32	2	2	116	6	6	I-290	3	3
6A	2	2	33	1	1	119	1	1	I-495	12	12
7	2	2	37	1	1	122	4	4	M	8	9
8	3	3	38	2	3	123	3	3	S.E.X.	6	6
9	10	12	44	2	2	125	1	1	C.A.	1	1
10	4	7	53	4	4	128	18	18			
12	3	4	70	1	2	135	2	2			

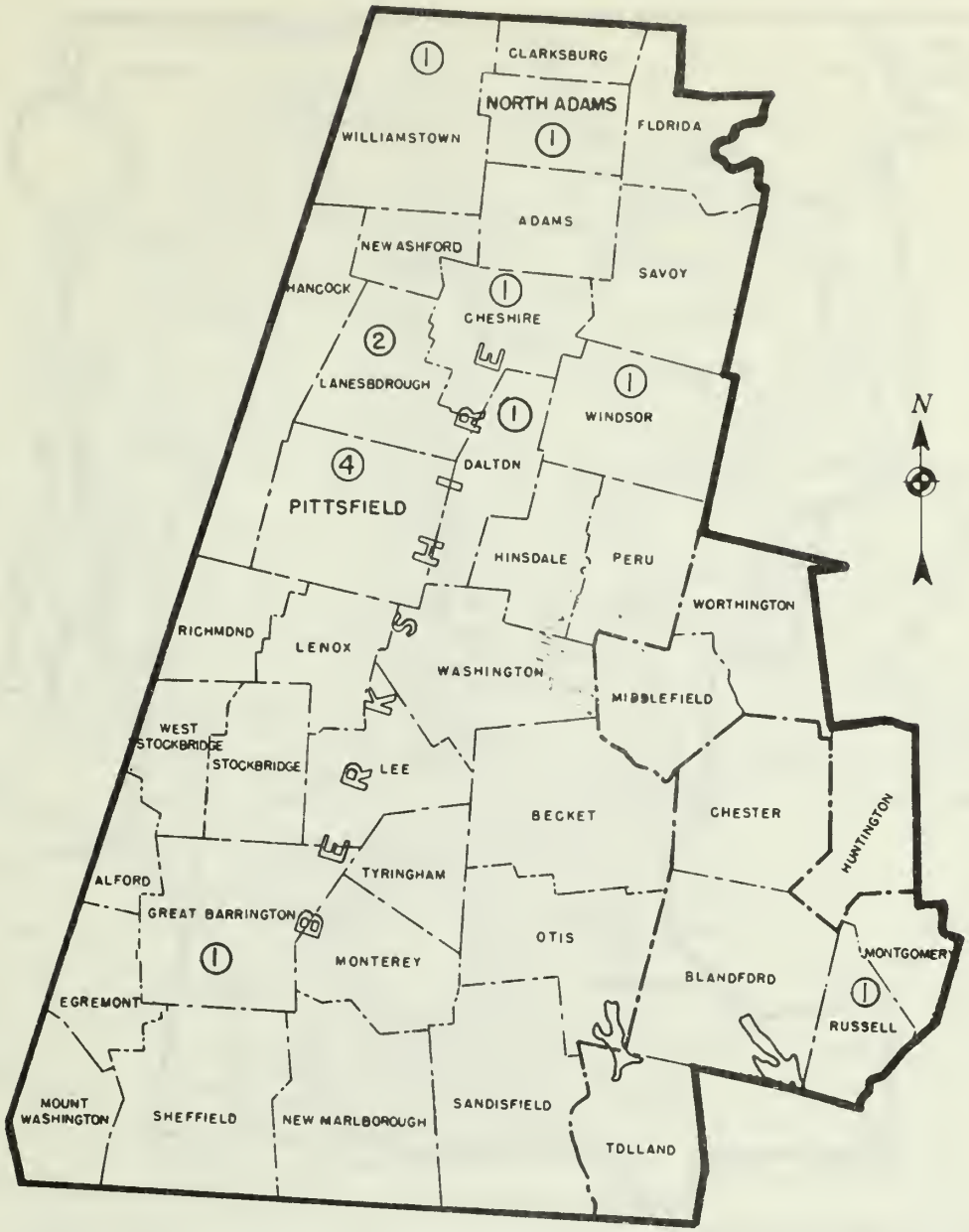


FATAL ACCIDENTS AND FATALITIES BY HIGHWAY CLASSIFICATION AND DISTRICT

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
INTERSTATE	41	44
PRIMARY	194	219
SECONDARY	44	47
MISCELLANEOUS	8	9
TOTALS	287	319

DISTRICT FATALITIES			
1	17	5	43
2	34	6	52
3	46	7	39
4	63	8	25
TOTALS		319	

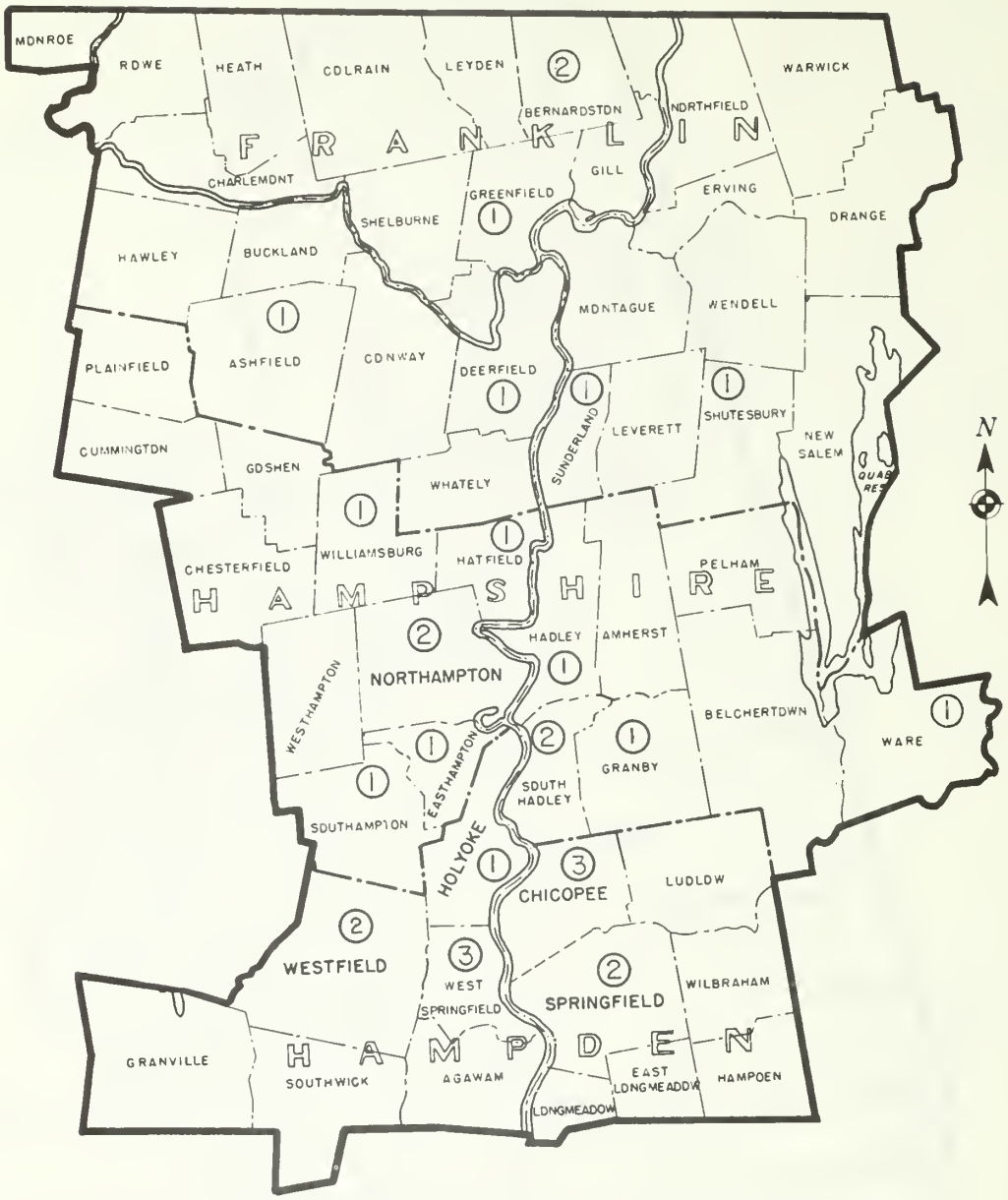
DISTRICT 1



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	—	—
F. A. PRIMARY	13	17
F. A. SECONDARY	—	—
MISCELLANEOUS	—	—
1969 TOTALS	13	17

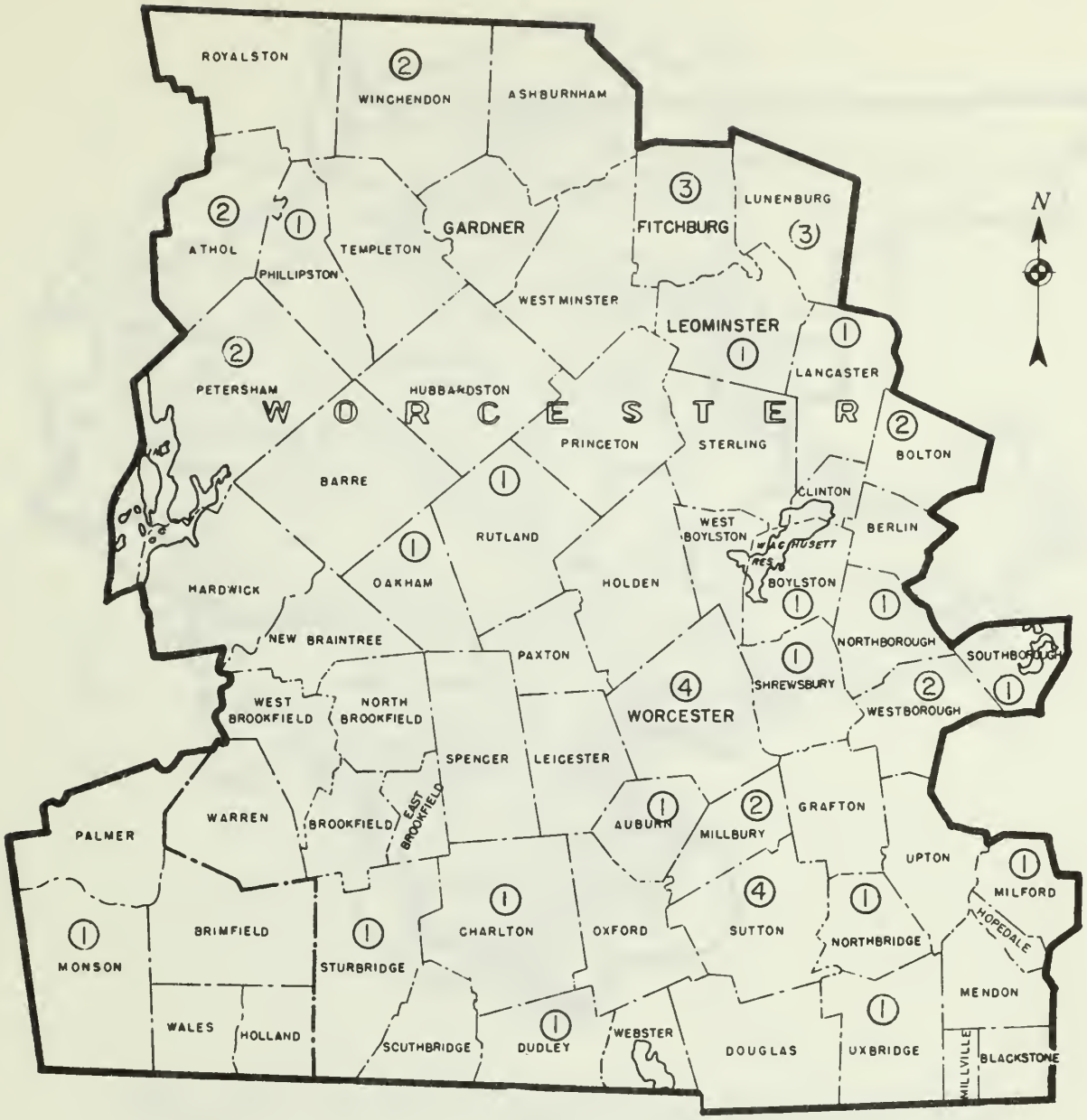
DISTRICT 2



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F.A. INTERSTATE	5	6
F.A. PRIMARY	21	25
F.A. SECONDARY	3	3
MISCELLANEOUS	—	—
1969 TOTALS	29	34

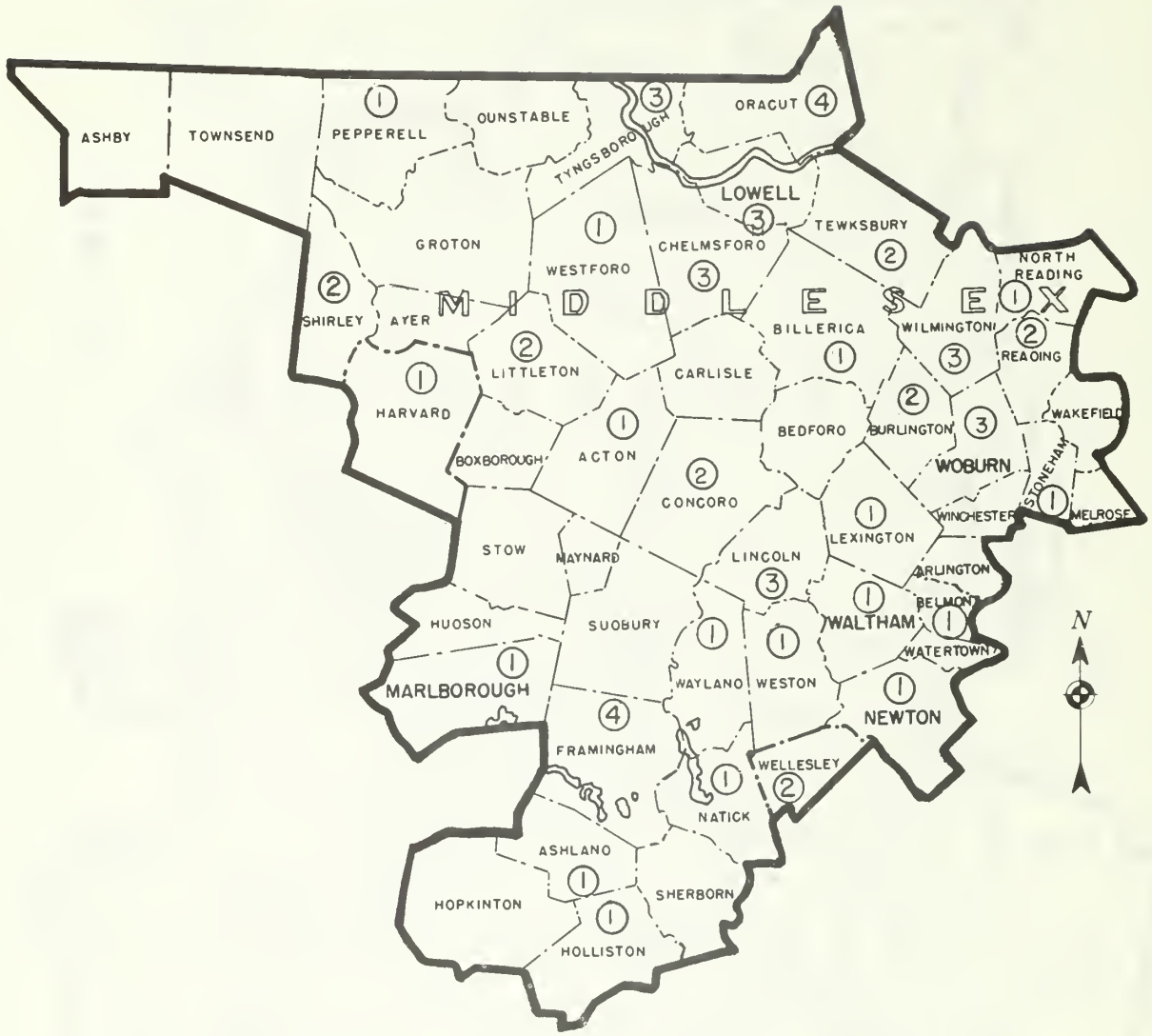
DISTRICT 3



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	5	5
F. A. PRIMARY	26	27
F. A. SECONDARY	11	13
MISCELLANEOUS	1	1
1969 TOTALS	43	46

DISTRICT 4



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

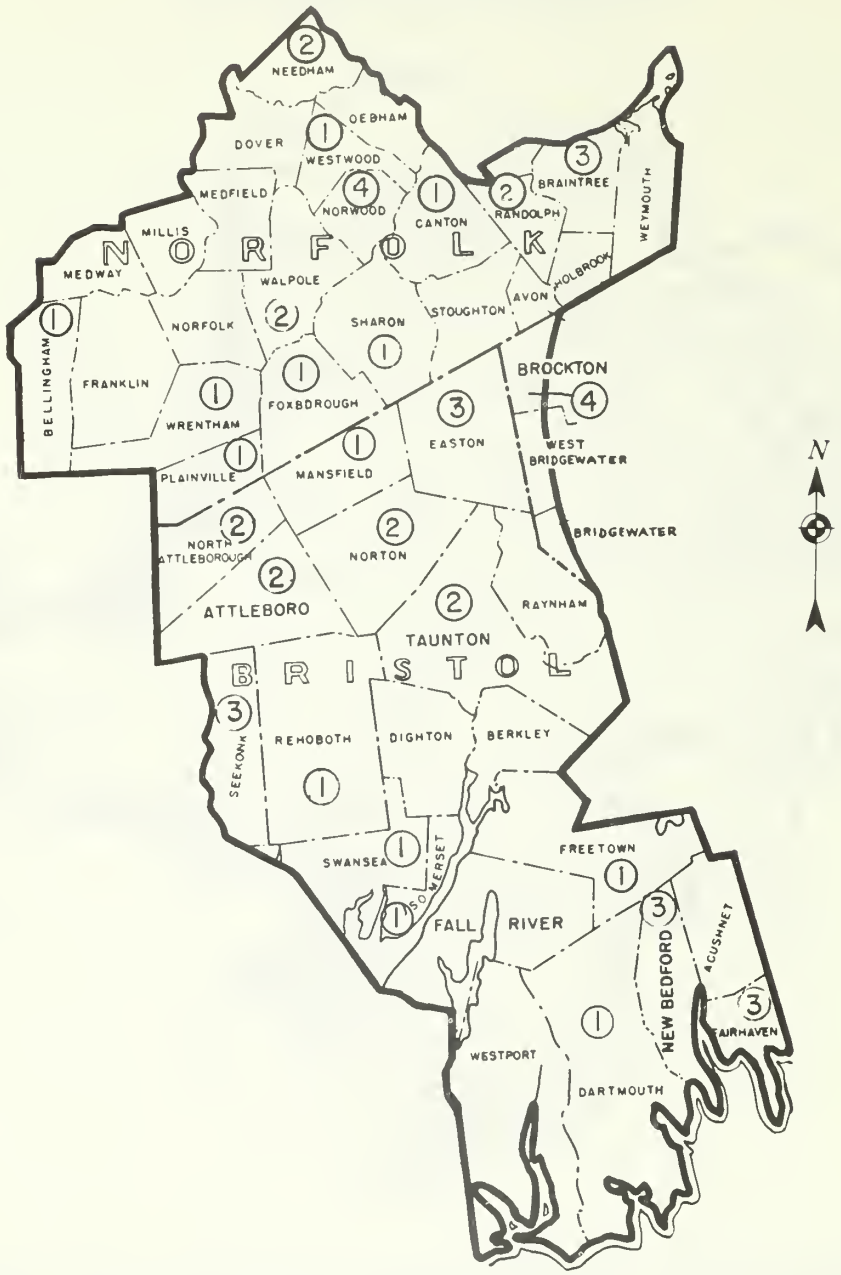
HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	9	9
F. A. PRIMARY	37	43
F. A. SECONDARY	9	9
MISCELLANEOUS	2	2
1969 TOTALS	57	63

DISTRICT 5

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	10	11
F. A. PRIMARY	24	26
F. A. SECONDARY	6	6
MISCELLANEOUS	—	—
1969 TOTALS	40	43

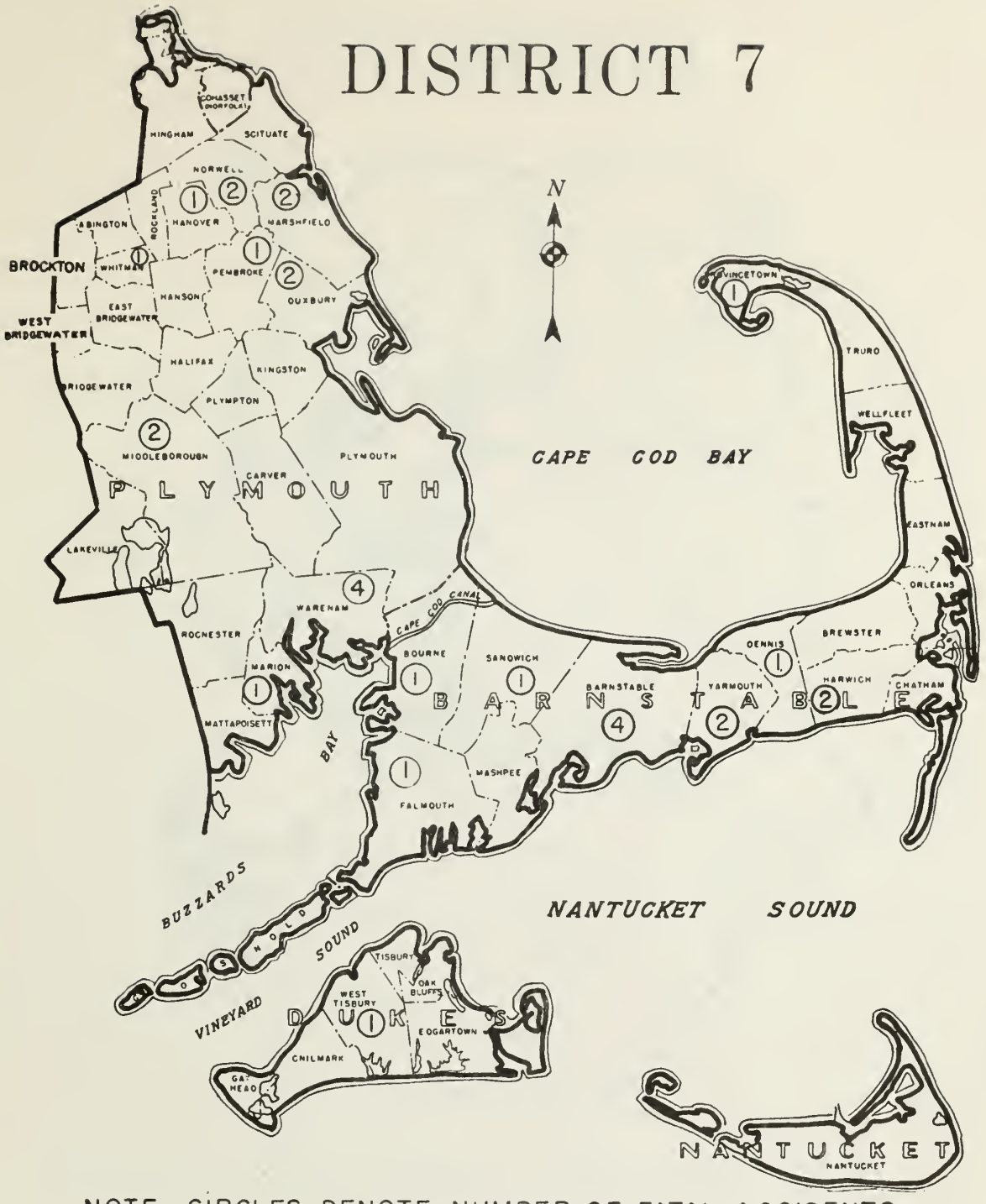
DISTRICT 6



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	7	8
F. A. PRIMARY	32	32
F. A. SECONDARY	9	9
MISCELLANEOUS	2	3
1969 TOTALS	50	52

DISTRICT 7



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	—	—
F. A. PRIMARY	24	32
F. A. SECONDARY	4	5
MISCELLANEOUS	2	2
1969 TOTALS	30	39

DISTRICT 8

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	5	5
F. A. PRIMARY	17	17
F. A. SECONDARY	2	2
MISCELLANEOUS	1	1
1969 TOTALS	25	25

MASS. E -
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STATE
HIGHWAY

FATAL MOTOR VEHICLE ACCIDENTS 1970

MASSACHUSET
DEPARTMEN
PUBLIC

STATE HIGHWAY

FATAL MOTOR VEHICLE ACCIDENTS

1970

TRAFFIC ENGINEERING SECTION

COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF PUBLIC WORKS

EDWARD J. RIBBS
COMMISSIONER

DANIEL S. HORGAN
CHIEF ENGINEER

K. KREKORIAN
TRAFFIC ENGINEER

CO-OPERATING AGENCY

REGISTRY OF MOTOR VEHICLES

RICHARD E. McLAUGHLIN
REGISTRAR

PUBLICATION NO. 717 APPROVED BY
ALFRED C. HOLLAND, STATE PURCHASING AGENT

FOREWORD

FIFTH ANNUAL REPORT

This report represents the 1970 fatal accident data for the Commonwealth of Massachusetts State Highway System.

The contents of this report have been established in conformance with the provisions of the Standard Summary of Motor Vehicle Traffic Accidents and the Manual of Classification of Motor Vehicle Accidents prepared by the Committee on Uniform Traffic Accident Statistics of the National Safety Council and recommended by the President's Committee for Traffic Safety.

This information was obtained from records on file with the Registry of Motor Vehicles, Department of Public Works and local Police Departments and was compiled, assembled and published by the Traffic Engineering Section of the Massachusetts Department of Public Works.

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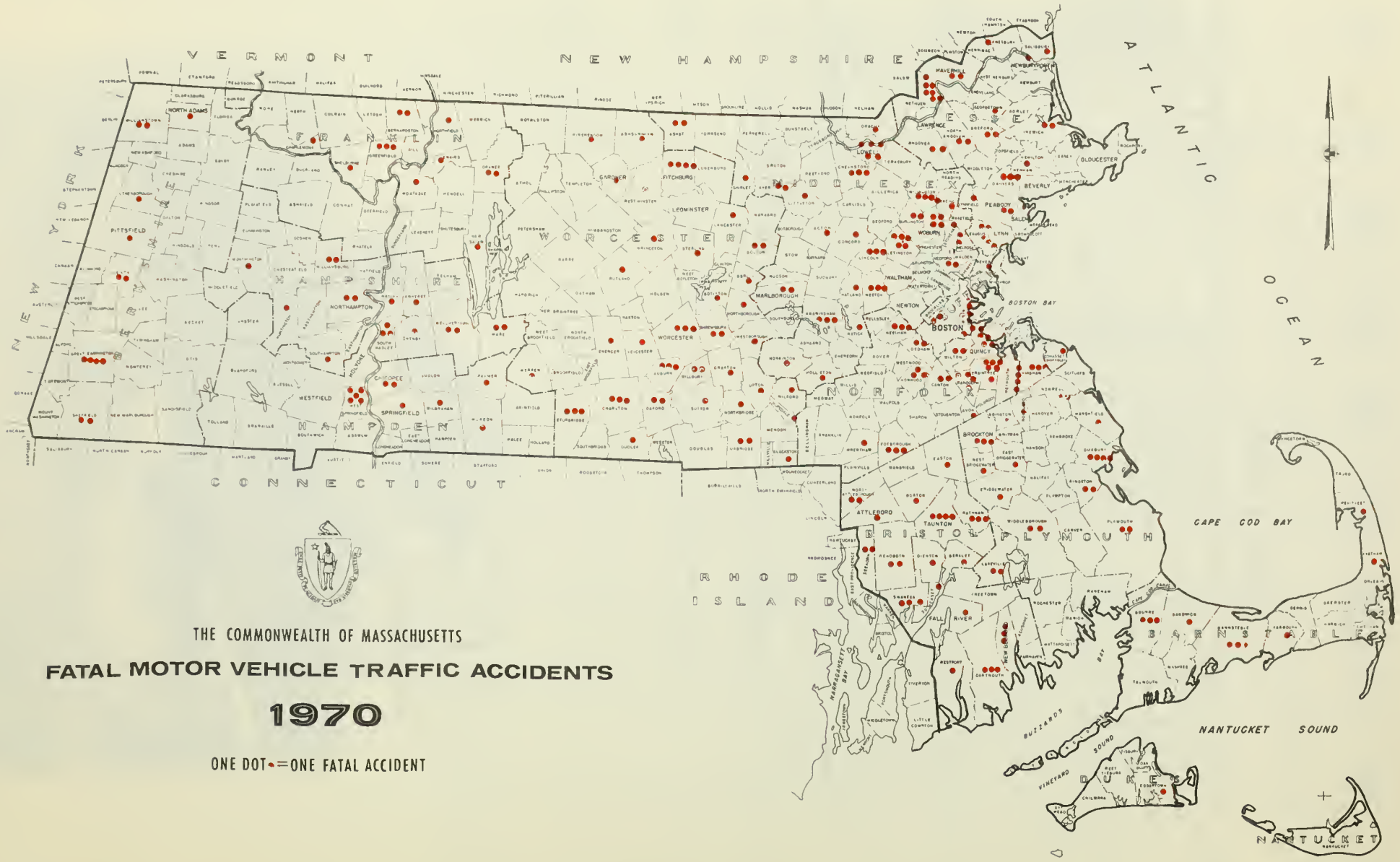


THE COMMONWEALTH OF MASSACHUSETTS

FATAL MOTOR VEHICLE TRAFFIC ACCIDENTS

1970

ONE DOT • = ONE FATAL ACCIDENT

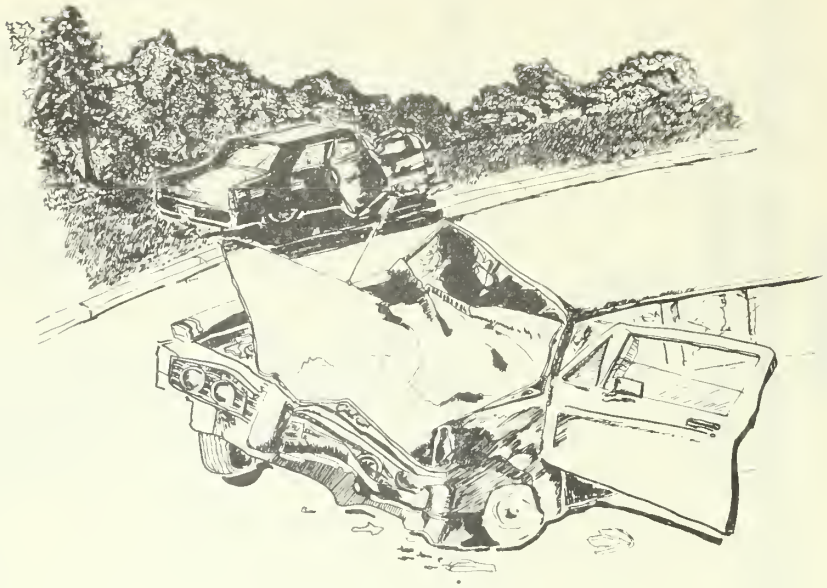
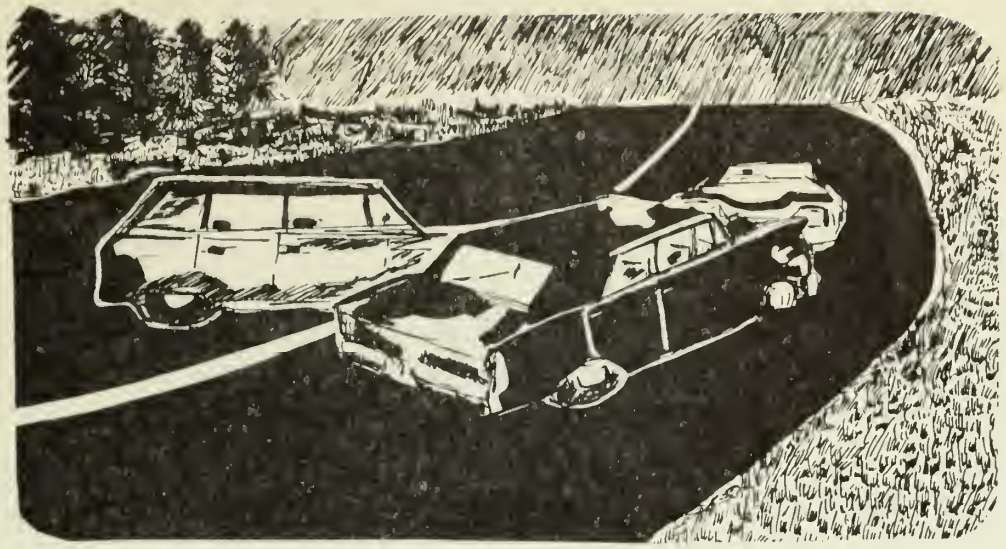


TABLE I

FATAL ACCIDENT AND FATALITY RATE BY YEAR

YEAR	VEHICLE MILES OF TRAVEL (100 MILLION)	NUMBER OF FATAL ACCIDENTS	FATAL ACCIDENT RATE	NUMBER OF FATALITIES	FATALITY RATE
1960	60.0	179	2.99	194	3.24
1961	61.9	159	2.57	183	2.96
1962	63.4	222	3.50	243	3.83
1963	65.7	221	3.36	250	3.80
1964	68.4	252	3.70	275	4.04
1965	70.9	278	3.92	315	4.44
1966	73.9	302	4.09	337	4.56
1967	90.5	286	3.16	345	3.81
1968	93.3	308	3.30	343	3.68
1969	118.71	287	2.42	319	2.69
1970	123.8	313	2.53	351	2.82



GRAPH I

VEHICLE TRAVEL vs. DEATHS and DEATH RATES

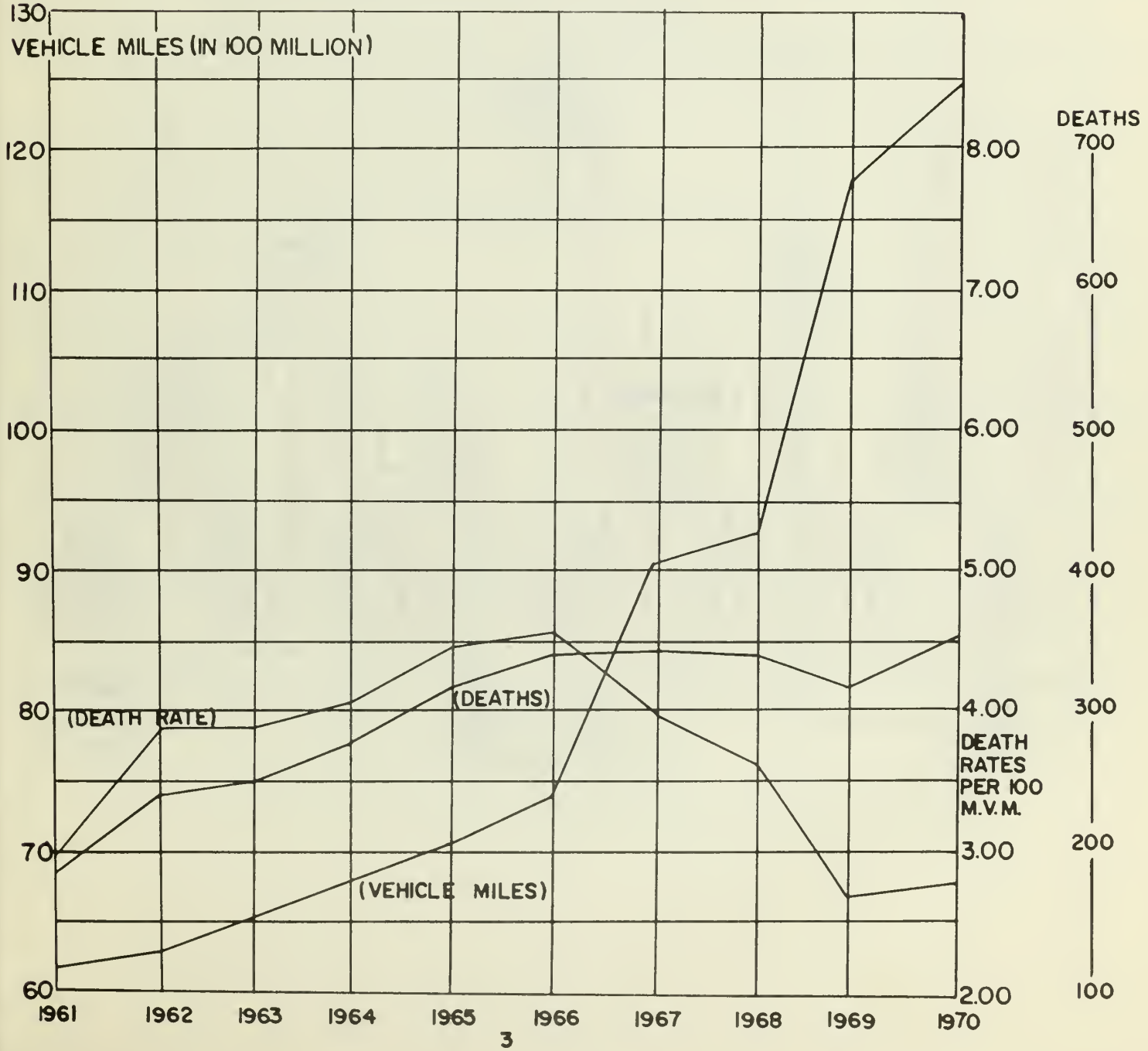
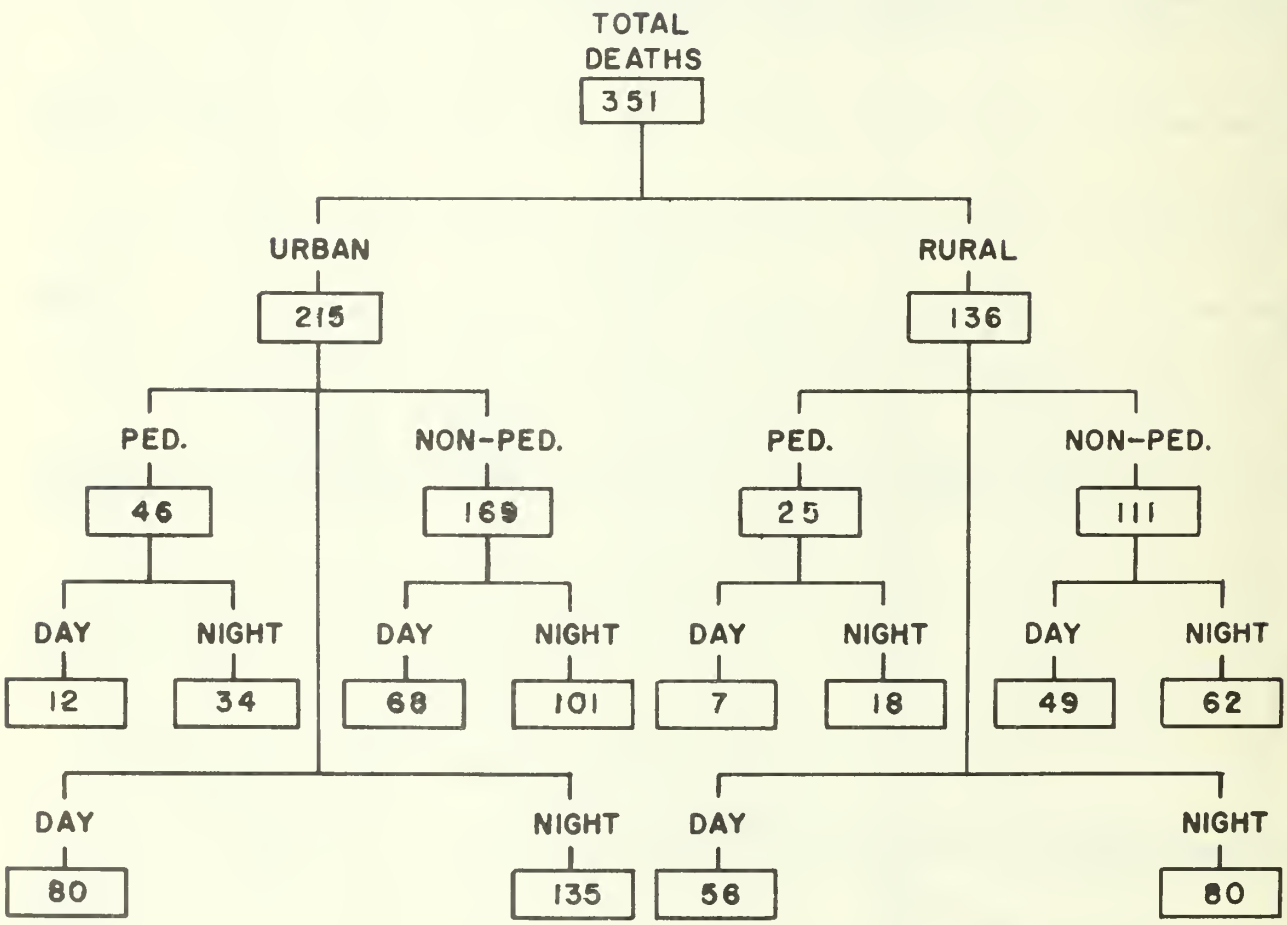


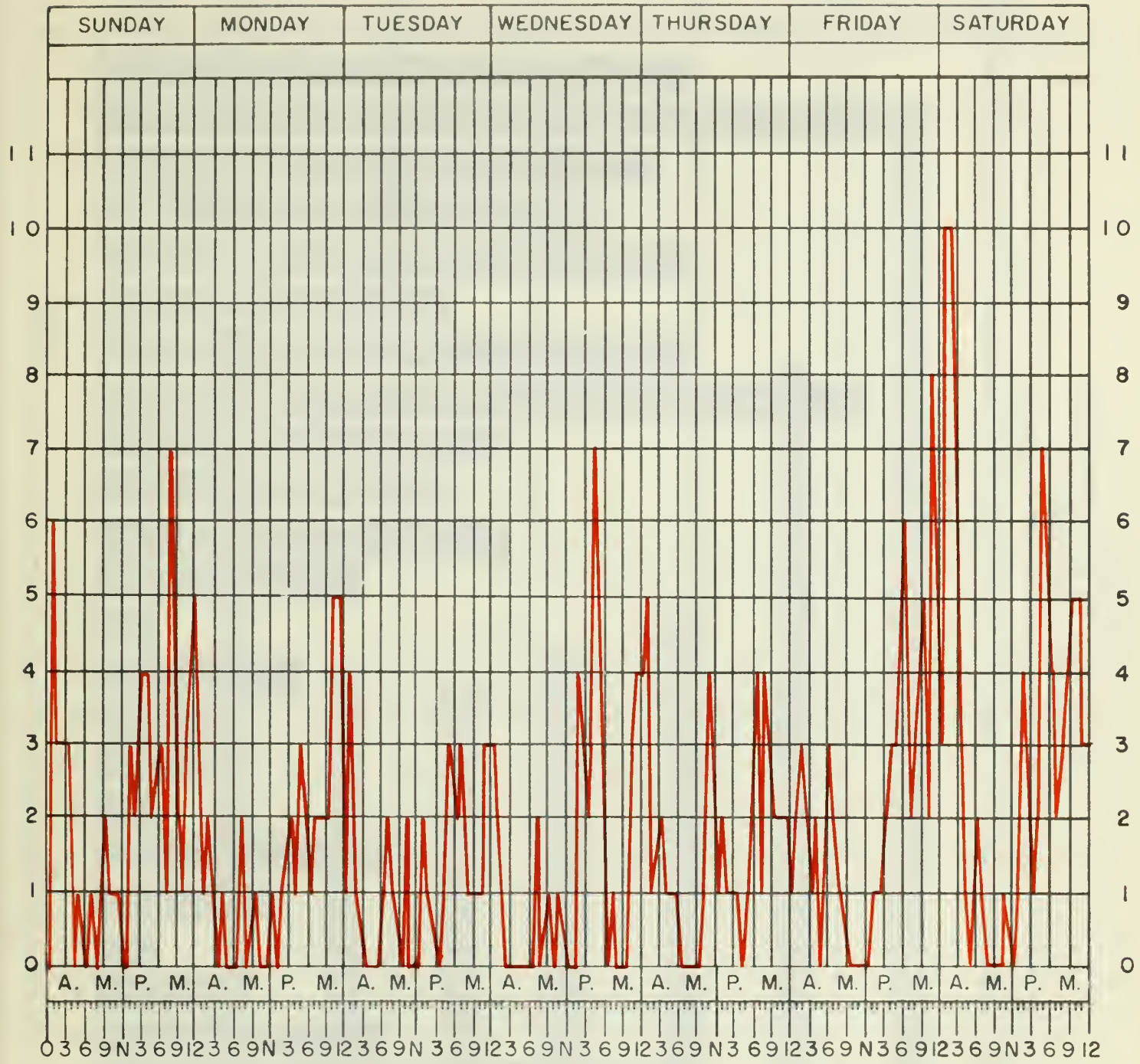
TABLE II

PRINCIPAL CLASSES OF MOTOR VEHICLE DEATHS



GRAPH II

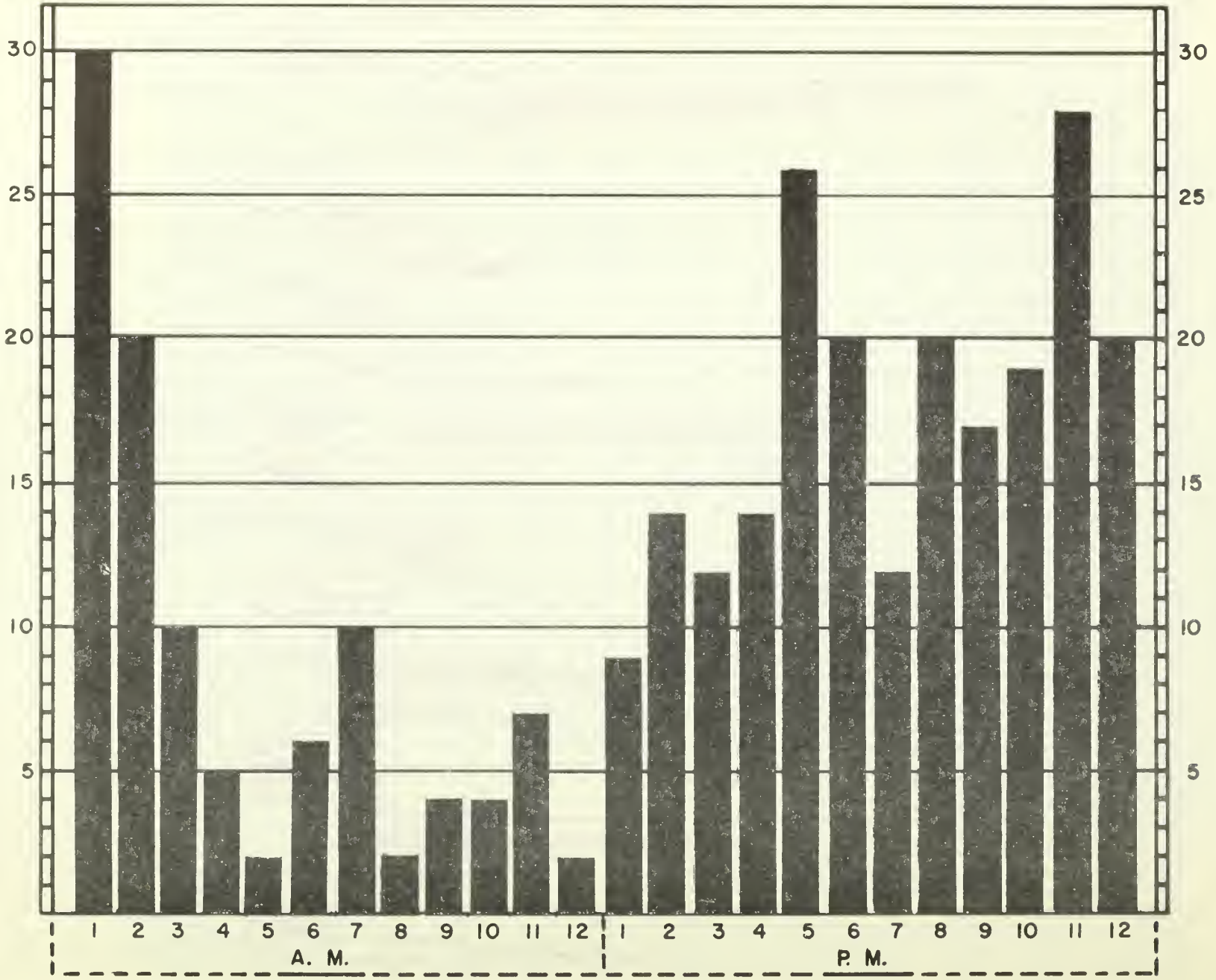
FATAL ACCIDENTS BY HOUR OF THE DAY



GRAPH III

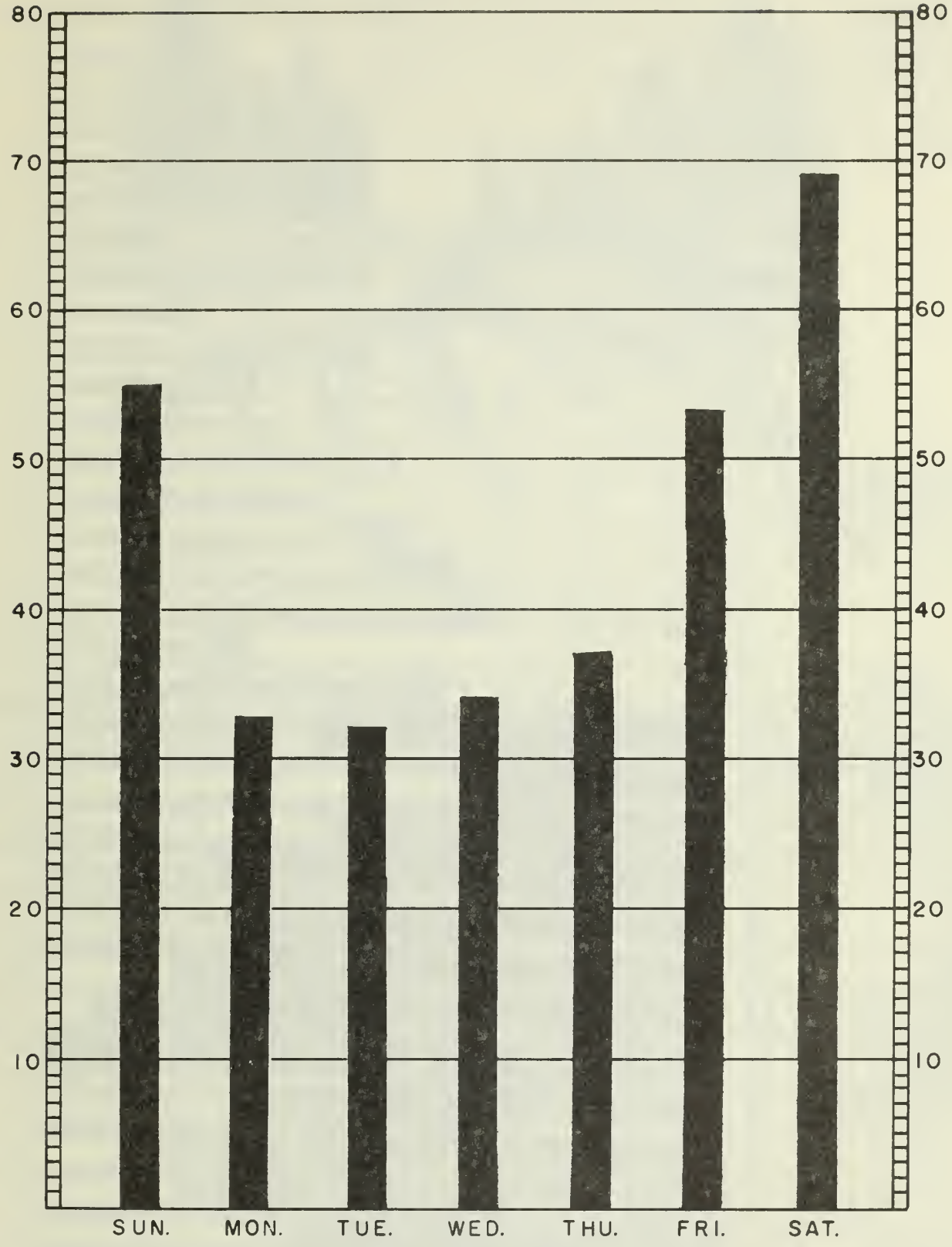
ACCIDENTS BY HOUR OF THE DAY

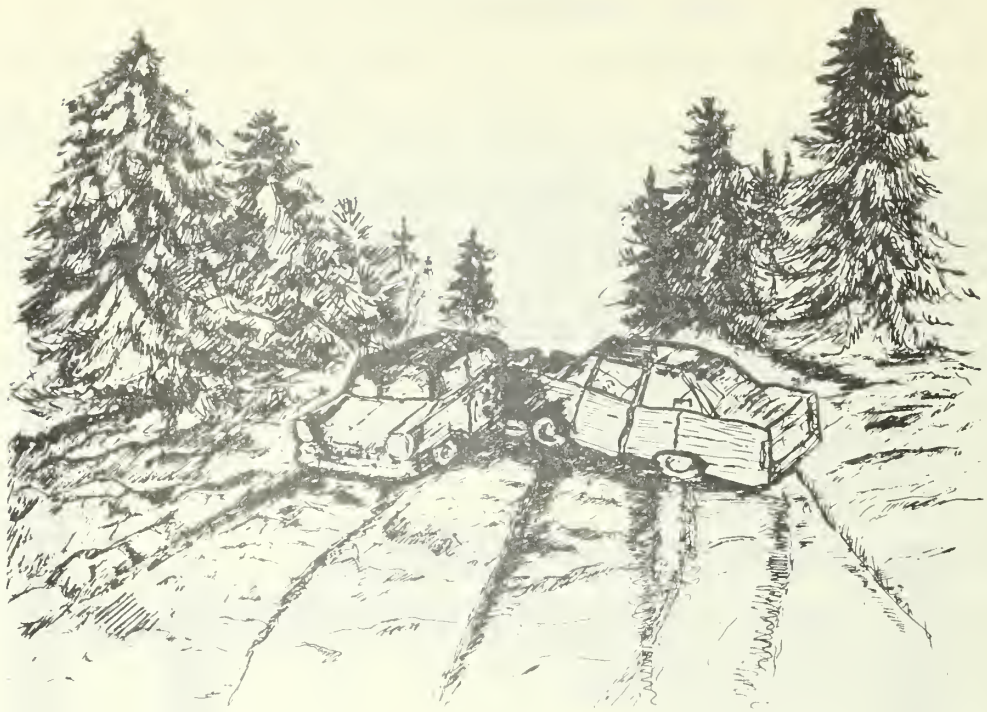
(YEARLY AVERAGE)



GRAPH IV

FATAL ACCIDENTS BY DAY OF WEEK





GRAPH V

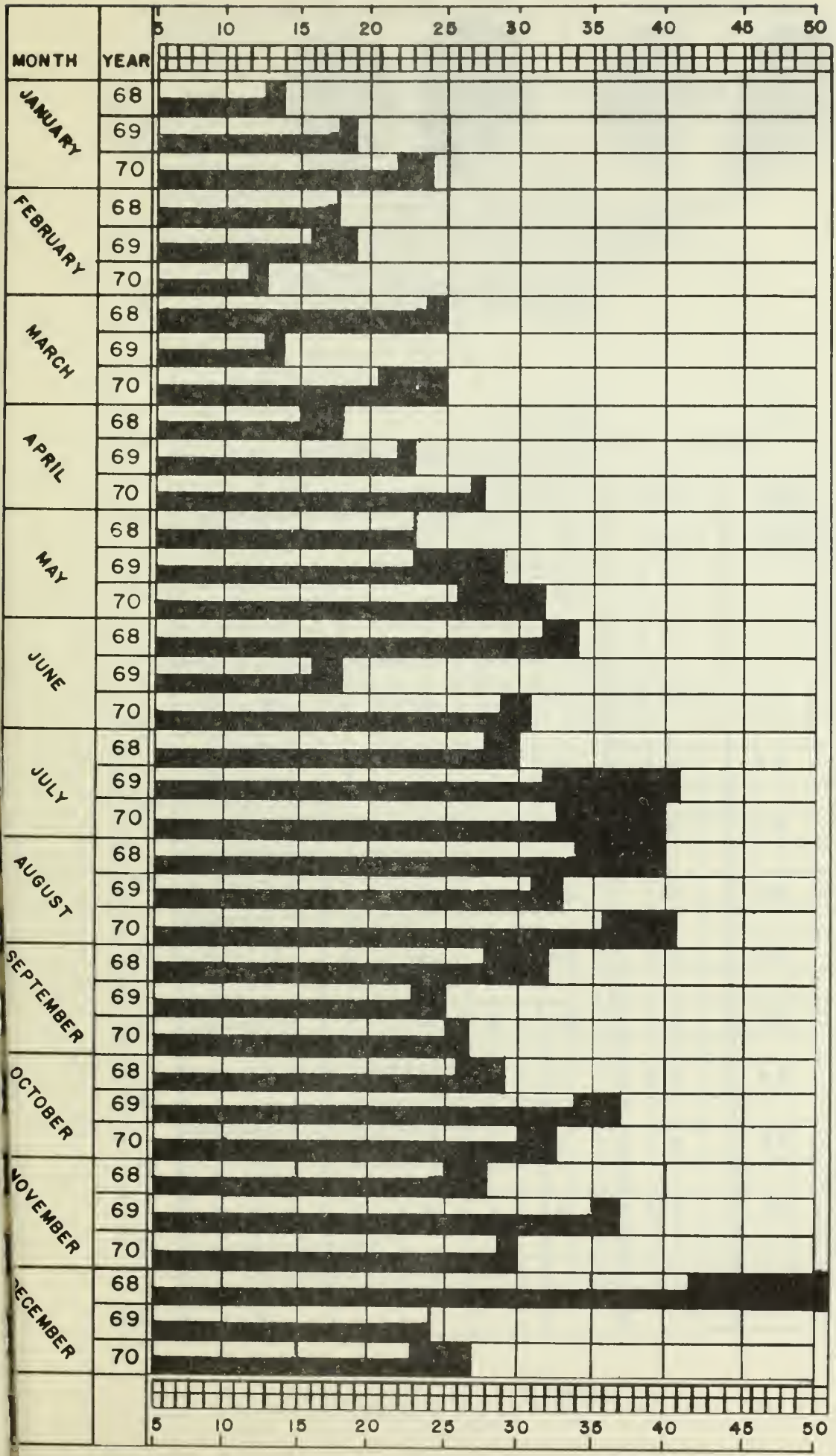
FATAL ACCIDENTS BY MONTH OF THE YEAR

MONTH	FATAL ACCIDENTS PER MONTH
JANUARY	22
FEBRUARY	12
MARCH	21
APRIL	27
MAY	26
JUNE	29
JULY	33
AUGUST	36
SEPTEMBER	25
OCTOBER	30
NOVEMBER	29
DECEMBER	23
TOTAL	313

5 10 15 20 25 30 35 40

GRAPH VI

FATAL ACCIDENTS AND FATALITIES BY MONTH AND YEAR



LEGEND

NUMBER OF	
ACCIDENTS	FATALITIES

1968
1969
1970

1968 TOTAL	
ACCIDENTS	FATALITIES
308	343

1969 TOTAL	
ACCIDENTS	FATALITIES
287	319

1970 TOTAL	
ACCIDENTS	FATALITIES
313	351

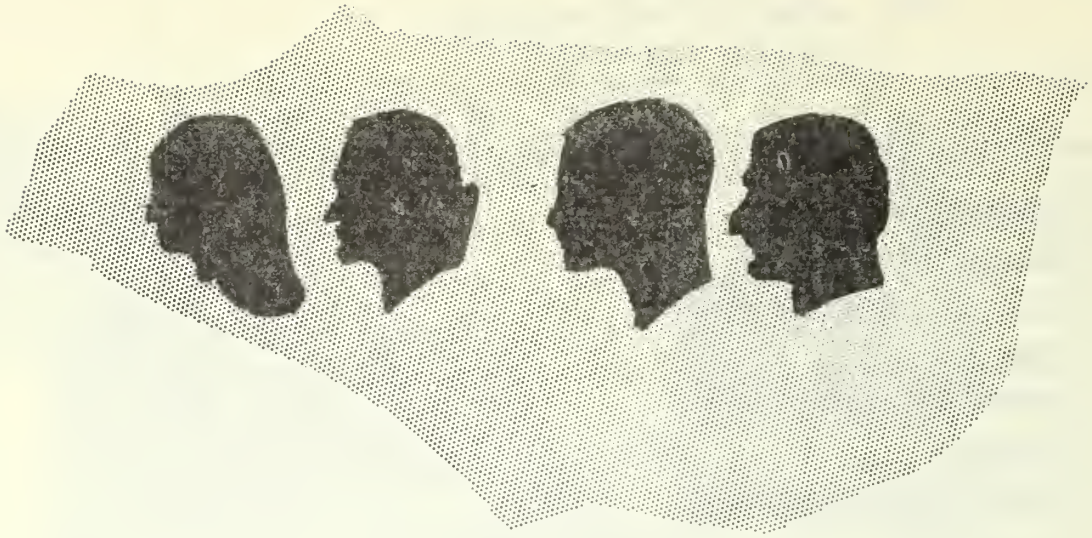


TABLE III

FATALITIES BY AGE AND SEX OF VICTIM

FATALITY AGE	SUM TOTALS	% OF TOTAL	DRIVERS		PEDESTRIANS		PASSENGERS	
			M	F	M	F	M	F
0–4	7	2.0	—	—	—	1	2	4
5–9	5	1.4	—	—	5	—		—
10–14	11	3.2	1	—	6	1	3	1
15–19	65	18.5	18	5	9	6	17	10
20–24	53	15.1	28	5	5	—	11	4
25–34	46	13.1	28	6	4	1	3	4
35–44	48	13.7	28	7	2	4	5	2
45–54	39	11.1	21	5	4	1	2	6
55–64	24	6.8	7	4	2	1	4	6
65–74	32	9.1	8	—	9	3	3	9
75 AND OVER	21	6.0	6	1	6	1	4	3
UNKNOWN								
TOTAL	351	100.00	144	33	52	19	54	49

GRAPH VII

AGE OF DRIVERS INVOLVED IN FATAL ACCIDENTS

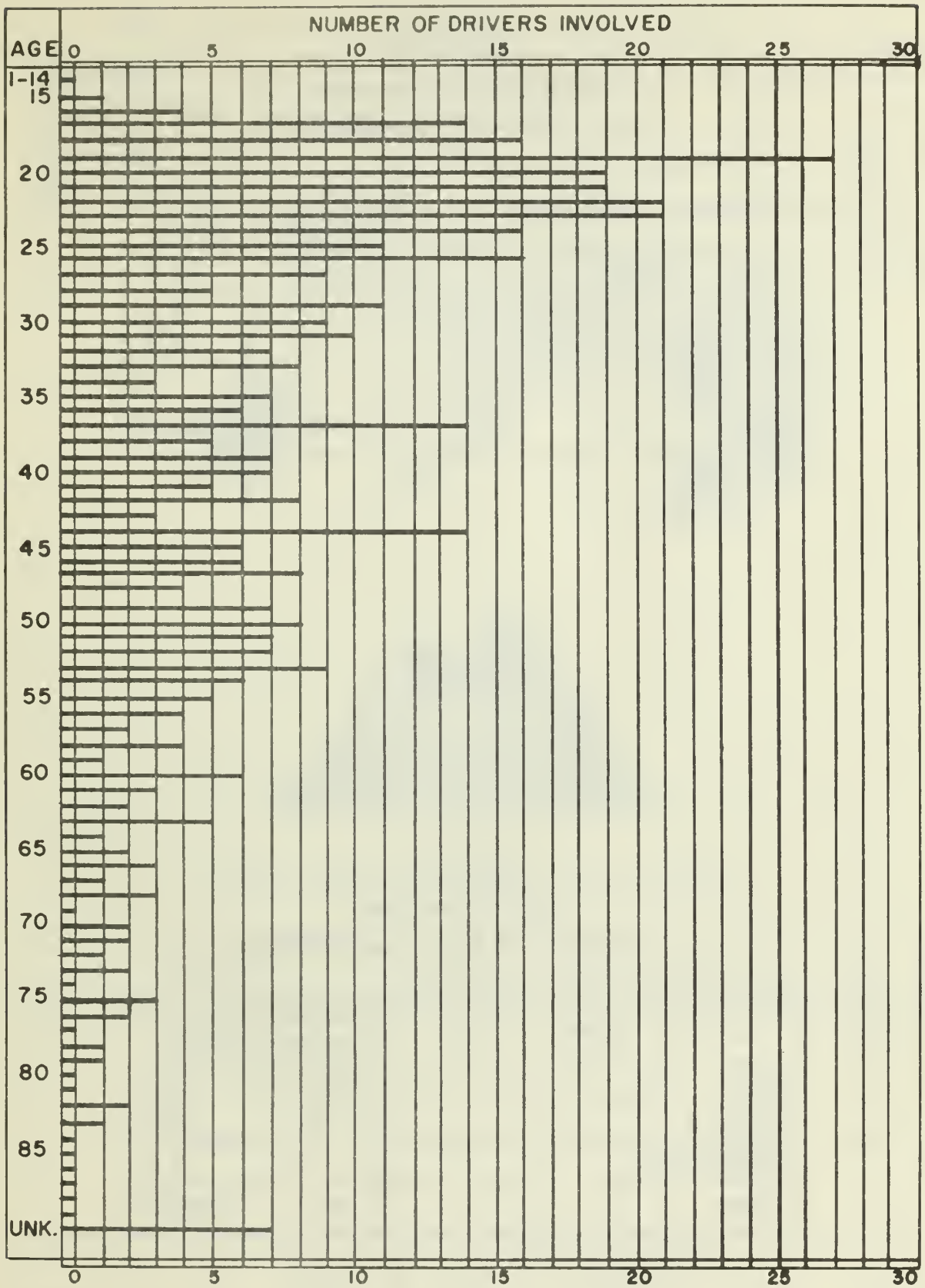


TABLE IV

RESIDENCE OF DRIVERS

INVOLVED IN FATAL ACCIDENTS

ACCIDENT INVOLVING:	NO. OF DRIVERS	% OF TOTAL
LOCAL RESIDENT	339	74.1
RESIDENT ELSEWHERE IN STATE	38	8.3
OUT OF STATE RESIDENT	72	15.8
UNKNOWN	8	1.8
TOTAL	457	100.00

TABLE V

SEX OF DRIVERS

INVOLVED IN FATAL ACCIDENTS

SEX	NO. OF DRIVERS	% OF TOTAL
MALE	379	82.9
FEMALE	73	15.9
UNREPORTED	5	1.2
TOTAL	457	100.00

TABLE VI

FATAL ACCIDENTS BY LIGHT CONDITIONS

LIGHT CONDITION	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DAYLIGHT	115	36.8	133	37.9
DAWN OR DUSK	6	1.9	6	1.7
DARKNESS	192	61.3	212	60.4
NOT STATED	0	—	0	—
TOTALS	313	100.00	351	100.00

TABLE VII

FATAL ACCIDENTS BY WEATHER CONDITIONS

WEATHER	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
CLEAR	220	70.3	243	69.2
CLOUDY	37	11.8	38	11.1
FOG	7	2.3	9	2.6
RAIN	37	11.8	43	12.3
SLEET	0	0	0	0
SNOW	12	3.8	17	4.8
TOTAL	313	100.00	351	100.00

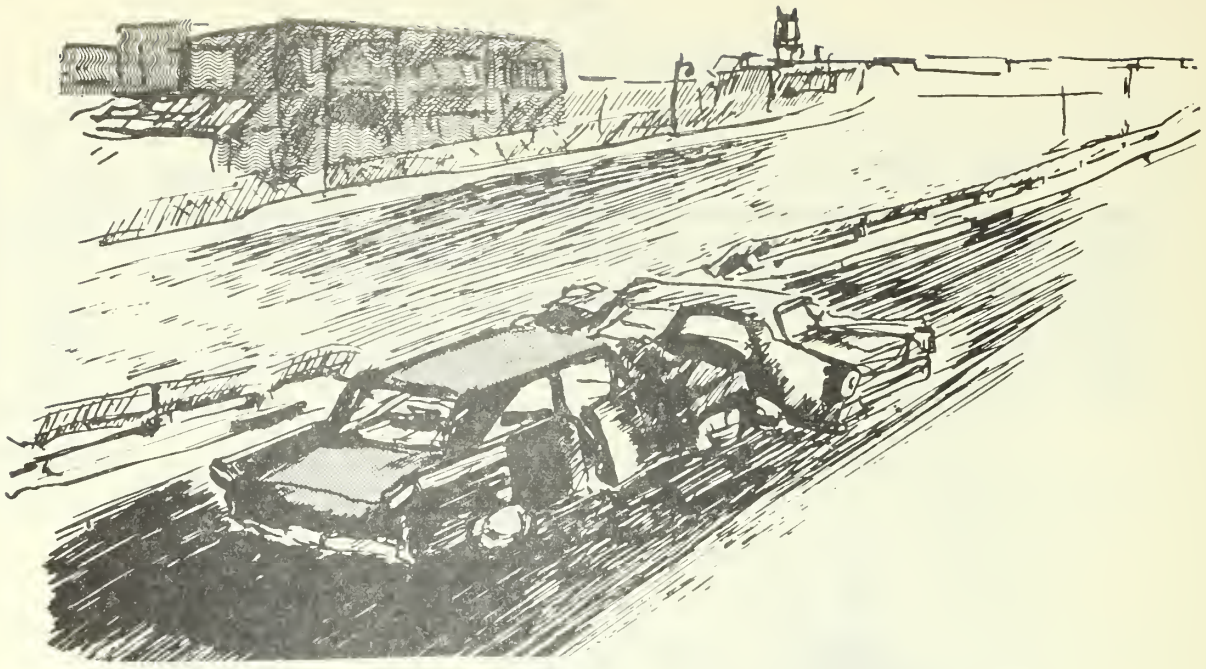


TABLE VIII

FATAL ACCIDENTS BY SURFACE CONDITION

CONDITION OF ROAD SURFACE	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DRY	232	74.1	258	73.5
WET	60	19.2	70	20.0
SNOW	10	3.2	11	3.1
ICE	11	3.5	12	3.4
OTHER	—	—	—	—
TOTALS	313	100.00	351	100.00

TABLE IX

FATAL ACCIDENTS

BY TYPE OF COLLISION ACCIDENTS

TYPE OF MV ACCIDENT	NO. OF ACCIDENTS	NO. OF FATALITIES
OVERTURNED	16	16
ANGLE	28	33
REAR END	29	29
HEAD-ON	58	79
U-TURN	2	2
BACKING	1	1
RAN OFF ROADWAY (H.F.O.)	104	115
GENERAL (NO COLLISION)+PEDESTRIAN	74	75
ANIMAL	1	1
TOTALS	313	351

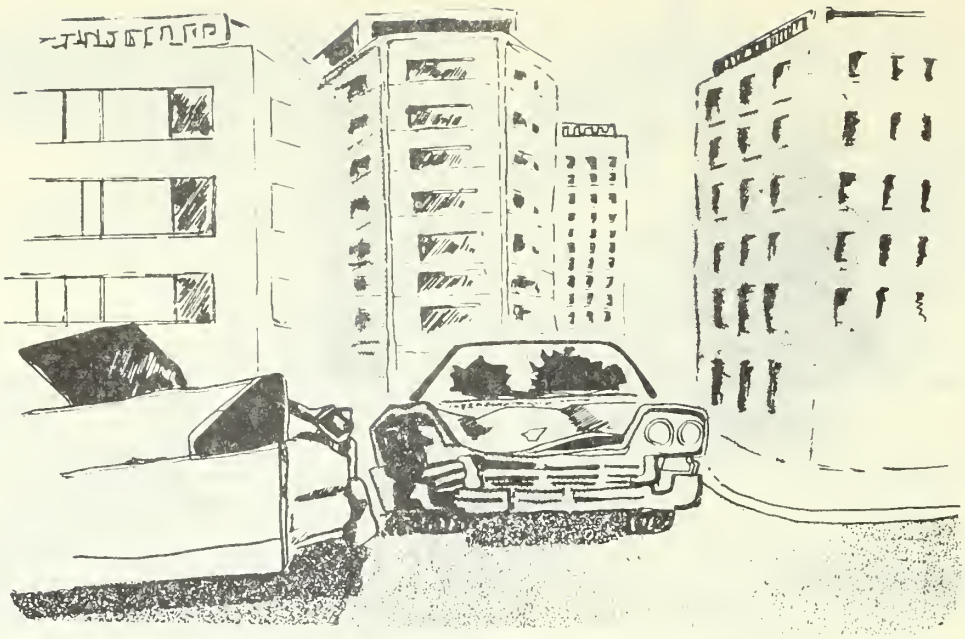


TABLE X

FATAL ACCIDENTS

BY TYPE OF MOTOR VEHICLE ACCIDENT

-COLLISION AT INTERSECTION-

COLLISION OF TWO OR MORE VEHICLES IN TRAFFIC AT AN INTERSECTION	NUMBER OF ACCIDENTS	NUMBER OF FATALITIES
ENTERING FROM SAME DIRECTION:		
Both Going Straight	—	—
One Turn, One Straight	4	4
One Stopped	1	1
All Others	—	—
ENTERING FROM OPPOSITE DIRECTION:		
Both Going Straight	3	3
One Turn, One Straight	14	17
One Stopped	1	1
All Others	—	—
ENTERING INTERSECTION:		
At Angle	1	1
At Rotary	—	—
At On-Ramp	1	1
At Off-Ramp	—	—
TOTALS	25	28

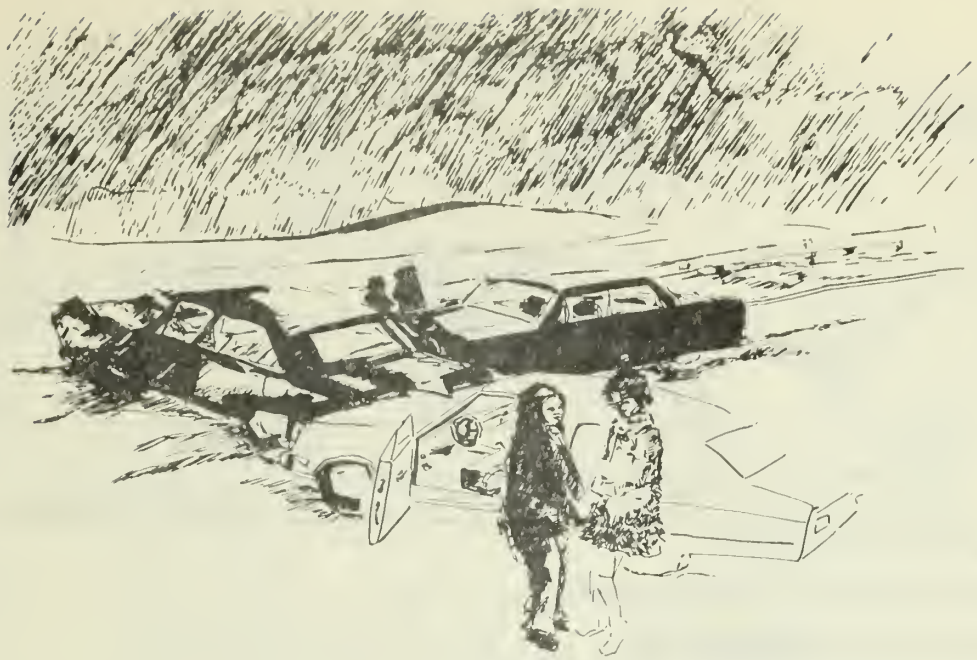


TABLE XI

FATAL ACCIDENTS BY TYPE OF MOTOR VEHICLE ACCIDENT
COLLISION NOT AT INTERSECTION

COLLISION OF TWO OR MORE MOTOR VEHICLES IN TRAFFIC NOT AT INTERSECTION	NO. OF ACCIDENTS	NO. OF FATALITIES
GOING OPPOSITE DIRECTION—BOTH MOVING	57	80
GOING SAME DIRECTION—BOTH MOVING	21	21
ONE CAR PARKED	6	6
ONE CAR STOPPED IN TRAFFIC	—	—
ONE CAR ENTERING PARKED POSITION	—	—
ONE CAR LEAVING PARKED POSITION	—	—
ONE CAR ENTERING ALLEY OR DRIVEWAY	6	6
ONE CAR LEAVING ALLEY OR DRIVEWAY	—	—
ALL OTHERS	3	3
TOTAL NOT AT INTERSECTION	93	116

TABLE XII

FATAL ACCIDENTS AND FATALITIES BY

CONTRIBUTING CIRCUMSTANCES

CONTRIBUTING CIRCUMSTANCES INDICATED	NO. OF ACCIDENTS	NO. OF FATALITIES
ALCOHOL INVOLVED *	41	47
SPEED TOO FAST FOR CONDITIONS	51	54
FAILED TO YIELD RIGHT OF WAY	14	15
IMPROPER OVERTAKING AND/OR PASSING	4	4
WRONG WAY DRIVING	—	—
DROVE LEFT OF CENTER (ON WRONG SIDE OF ROAD, NOT OVERTAKING)	18	22
FAILED TO GIVE PROPER SIGNAL	2	2
IMPROPER TURNING MOVEMENTS	4	4
OPERATING UREGISTERED-UNINSURED VEHICLE	—	—
DISREGARDED TRAFFIC SIGNAL	—	—
DISREGARDED WARNING OR STOP SIGN	—	—
OTHER IMPROPER DRIVING	36	38
LEAVING SCENE OF ACCIDENT	8	9
NO VIOLATION	60	67
NOT STATED	75	89

* AS TAKEN FROM INVESTIGATORS REPORT PRIOR TO BLOOD ALCOHOL RESULTS KNOWN.

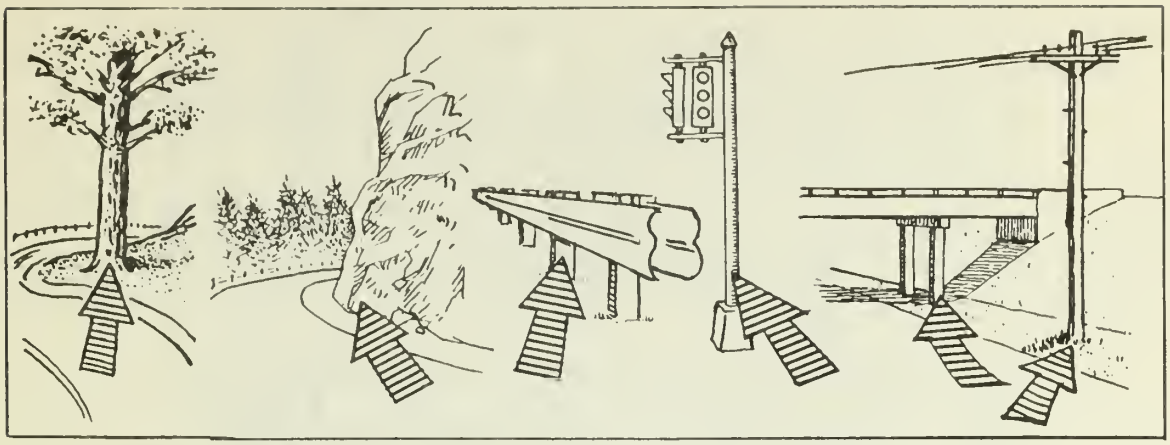


TABLE XIII

FATAL ACCIDENTS INVOLVING FIXED OBJECTS

OBJECT INVOLVED	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
BRIDGE ABUTMENT & PIER	7	5.7	8	6.0
BRIDGE RAILING	3	2.5	3	2.2
CURBING	5	4.1	5	3.8
UTILITY POLE	21	17.2	22	16.5
GUARD RAIL	21	17.2	24	18.0
LEDGE OR BANK	4	3.3	5	3.8
SIGN SUPPORT	3	2.5	3	2.2
POSTS	—	0.0	—	0.0
STONE WALL	1	0.8	1	0.8
TREE	39	32.0	44	33.1
ENTERED MEDIAN	5	4.1	5	3.8
CROSSED MEDIAN	2	1.6	2	1.5
MISCELLANEOUS	11	9.0	11	8.3
TOTAL	122	100.0	133	100.0

TABLE XIV

MANEUVERS INVOLVED IN PEDESTRIAN FATALITIES

PEDESTRIAN ACTION	NUMBER KILLED	% OF TOTAL	URBAN	RURAL
CROSSING OR ENTERING AT INTERSECTION	8	11.3	6	2
CROSSING BETWEEN INTERSECTIONS	26	36.6	14	12
WALKING IN ROADWAY WITH TRAFFIC	6	8.5	3	3
WALKING IN ROADWAY AGAINST TRAFFIC	10	14.1	7	3
STANDING IN ROADWAY	10	14.1	8	2
GETTING ON OR OFF VEHICLES	0	0	0	0
PUSHING OR WORKING ON VEHICLE IN ROADWAY	0	0	0	0
WORKING IN ROADWAY	1	1.4	1	0
BICYCLIST	2	2.8	2	0
OTHER IN ROADWAY	5	7.0	2	3
NOT STATED	3	4.2	3	0
TOTALS	71	100.0	46	25

TABLE XV

PEDESTRIAN ACTIONS BY AGE

PEDESTRIAN ACTION	PEDESTRIANS KILLED AGE								
	TOTAL	0-10	11-20	21-30	31-40	41-50	51-60	61-70	71-+
CROSSING OR ENTERING ROADWAY AT INTERSECTION	8	2	—	—	—	—	1	1	4
CROSSING BETWEEN INTERSECTIONS	26	3	7	—	1	2	—	2	11
WALKING IN ROADWAY WITH TRAFFIC	6	—	3	1	—	1	1	—	—
WALKING IN ROADWAY AGAINST TRAFFIC	10	—	4	1	1	3	1	—	—
STANDING IN ROADWAY	10	1	5	2	—	—	—	1	1
GETTING ON OR OFF OTHER VEHICLE	—	—	—	—	—	—	—	—	—
PUSHING OR WORKING ON VEHICLE IN ROADWAY	—	—	—	—	—	—	—	—	—
WORKING IN ROADWAY	1	—	—	—	—	—	1	—	—
PLAYING IN ROADWAY	1	1	—	—	—	—	—	—	—
OTHER IN ROADWAY—BICYCLIST	6	—	3	2	1	—	—	—	—
NOT IN ROADWAY	—	—	—	—	—	—	—	—	—
NOT STATED	3	—	1	—	2	—	—	—	—
*BICYCLIST – 2 TOTAL	71	7	23	6	5	6	4	4	16

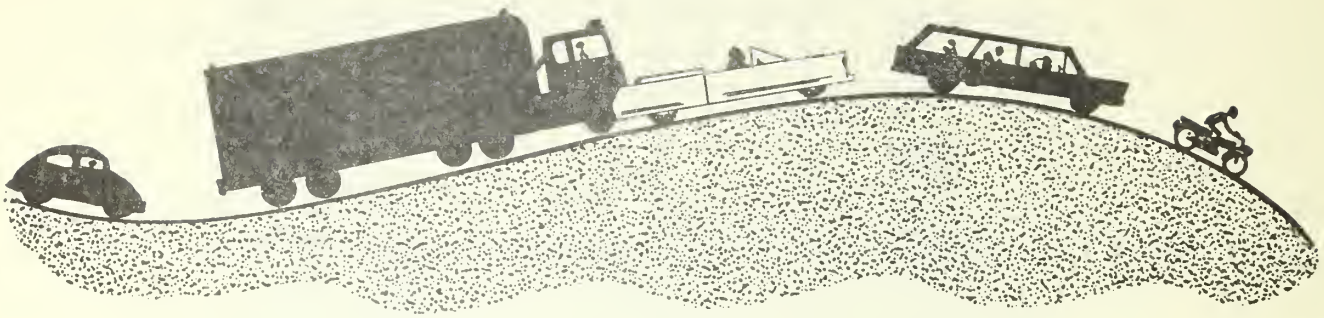


TABLE XVI

FATAL ACCIDENTS BY TYPE OF VEHICLE INVOLVED

TYPE OF VEHICLE	NO. OF ACCIDENTS	% OF TOTAL	FATALITIES	% OF TOTAL
PASSENGER CARS	280	89.5	318	90.7
PASSENGER CAR AND TRAILER	—	—	—	—
TRUCK OR TRUCK TRACTOR	8	2.6	8	2.3
TRUCK TRACTOR AND SEMI-TRAILER	10	3.2	10	2.8
OTHER TRUCK COMBINATION	1	0.3	1	.3
TAXI CAB	—	—	—	—
BUS	—	—	—	—
SCHOOL BUS	—	—	—	—
MOTORCYCLE	10	3.2	10	2.8
MOTOR SCOOTER OR MOTORBIKE	—	—	—	—
OTHER AND NOT STATED	4	1.2	4	1.1
EMERGENCY VEHICLES	—	—	—	—
MILITARY VEHICLES	—	—	—	—
OTHER PUBLICLY OWNED VEHICLES	—	—	—	—
TOTALS	313	100.00	351	100.00

TABLE XVII

FATAL ACCIDENTS

BY TYPE OF VEHICLE ACCIDENT

CLASSIFICATION OF MOTOR VEHICLE ACCIDENT COLLISION ON ROADWAY WITH:	NO. OF ACCIDENTS	NO. OF FATALITIES
MOTOR VEHICLE IN TRANSPORT	107	128
MOTOR VEHICLE ON OTHER ROADWAY	4	9
PARKED MOTOR VEHICLE	6	6
PEDESTRIAN	68	69
FIXED OBJECT	104	115
PEDALCYCLIST	2	2
OTHER	22	22
TOTALS	313	351

TABLE XVIII

INVOLVEMENT OF PASSENGER VEHICLES
IN FATAL ACCIDENTS AND FATALITIES

	NUMBER & % INVOLVEMENT IN FATAL ACCIDENTS		NUMBER & % INVOLVEMENT IN FATALITIES	
DOMESTIC CARS	NO.	%	NO.	%
BUICK	14	5.1	15	4.8
CADILLAC	1	.4	1	.3
CHEVROLET	63	22.7	73	23.2
CHRYSLER	7	2.5	10	3.2
DODGE	18	6.4	19	5.1
FORD	48	17.1	57	17.9
MERCURY	9	3.2	9	2.8
OLDSMOBILE	10	2.8	10	3.2
PLYMOUTH	13	4.6	16	5.1
PONTIAC	24	8.6	26	8.2
RAMBLER	6	2.2	7	2.2
MISC. AMERICAN	4	1.5	4	1.3
FOREIGN CARS				
AUSTIN HEALEY	1	.4	1	.3
RENAULT	2	.7	2	.7
TRIUMPH	3	1.2	4	1.3
VOLKSWAGEN	15	5.5	17	5.3
MISC. FOREIGN	11	3.9	10	3.2
UNREPORTED	31	11.2	37	11.7
TOTALS	280	100.00	318	100.00

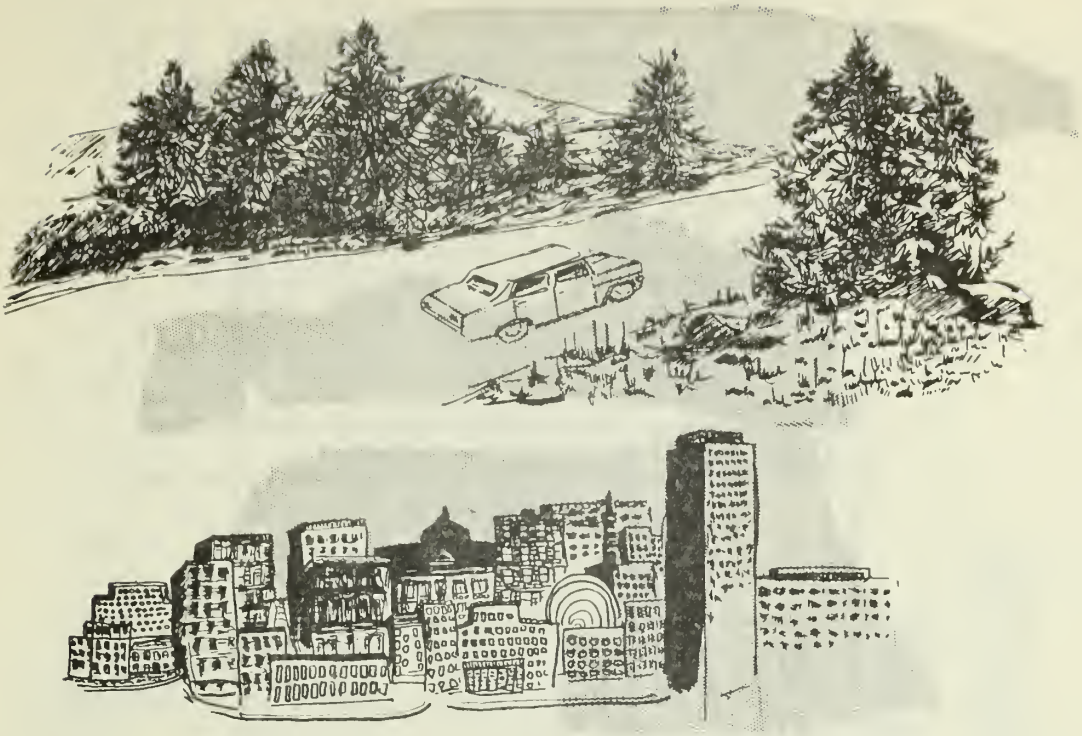


TABLE XIX

LOCATION BY CITY/TOWN POPULATION GROUPS

GROUP NUMBER	POPULATION (1965 CENSUS)	NO. OF ACCIDENTS	NO. OF FATALITIES
1	OVER 500,000	7	8
2	100,001 TO 250,000	7	8
3	50,001 TO 100,000	28	31
4	25,001 TO 50,000	56	61
5	10,001 TO 25,000	96	105
6	5,001 TO 10,000	56	67
7	1,001 TO 5,000	60	68
8	UNDER 1,000	3	3
	TOTALS	313	351

TABLE XX

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	URBAN																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UNDIVIDED HIGHWAY						TWO LANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	6	10	1	2	1	1	—	—	—	—	8	8	—	—	—	—	16	22
REAR END	7	7	—	—	2	2	—	—	—	—	5	5	—	—	—	—	2	2
OVERTAKING & PASSING	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4
DRIVING OFF ROADWAY	31	36	2	2	11	12	—	—	—	—	5	6	—	—	—	—	20	21
PEDESTRIAN	13	13	—	—	5	5	—	—	—	—	10	10	3	3	—	—	15	16
LEFT & U TURNS	—	—	—	—	4	4	—	—	—	—	5	6	—	—	—	—	5	5
RIGHT TURNS & CROSS MOVEMENTS	—	—	—	—	4	4	—	—	—	—	2	3	—	—	—	—	1	1
UNCLASSIFIED	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	1	1
TOTALS	61	70	3	4	27	28	—	—	—	—	36	39	3	3	—	—	64	72

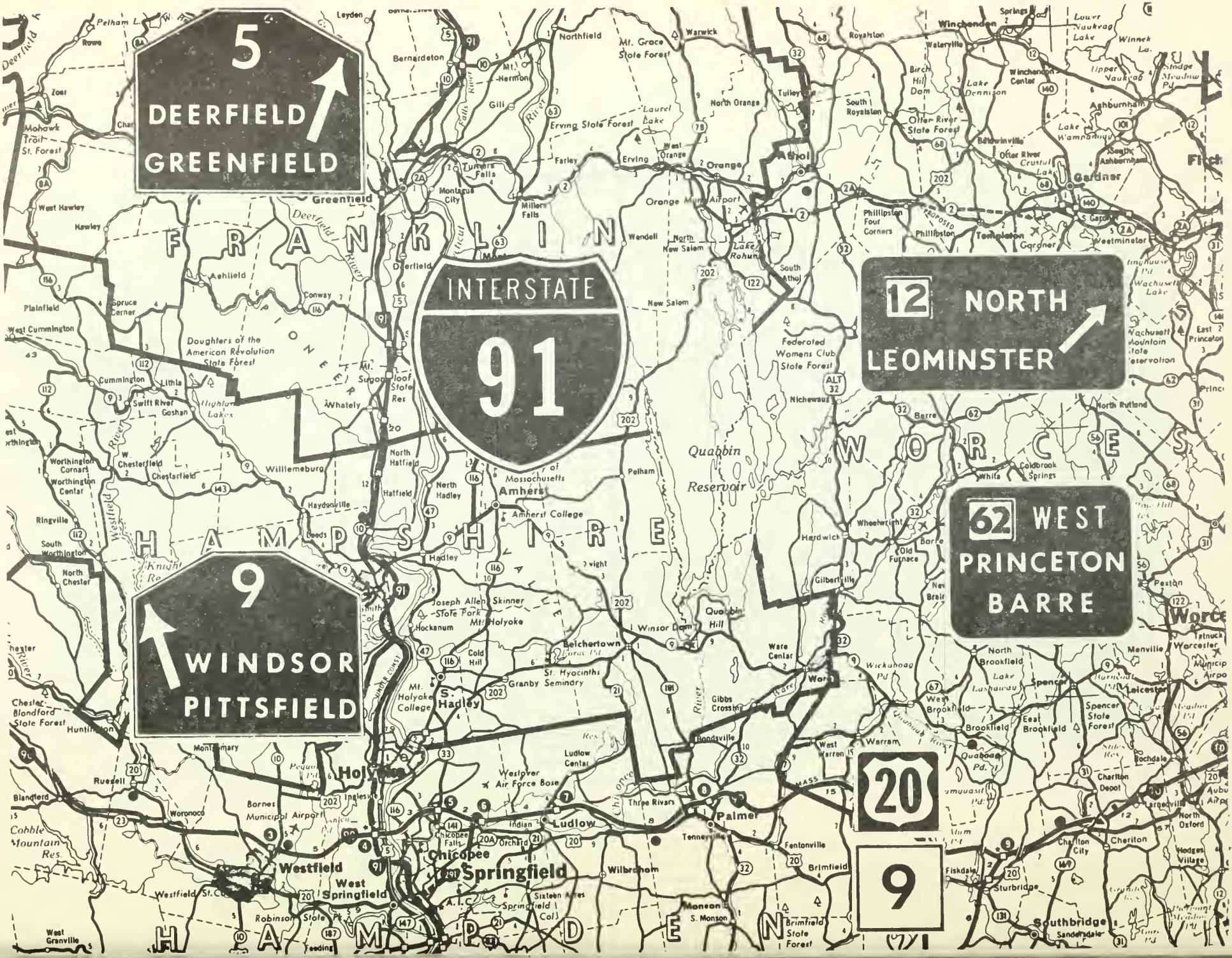
TOTAL URBAN ACCIDENTS	194

TABLE XXI

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	RURAL *																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UNDIVIDED HIGHWAY						TWO LANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	—	—	—	—	—	—	—	—	—	—	7	10	—	—	—	—	21	29
REAR END	5	5	—	—	—	—	—	—	—	—	1	1	—	—	—	—	1	1
OVERTAKING & PASSING	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
DRIVING OFF ROADWAY	17	18	—	—	1	2	—	—	—	—	2	2	—	—	—	—	30	32
PEDESTRIAN	4	4	—	—	—	—	—	—	—	—	4	4	—	—	—	—	16	16
LEFT & U TURNS	—	—	—	—	—	—	—	—	—	—	2	3	—	—	—	—	4	4
RIGHT TURNS & CROSS MOVEMENTS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3
UNCLASSIFIED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
TOTALS	26	27	—	—	1	2	—	—	—	—	16	20	—	—	—	—	76	86

TOTAL RURAL ACCIDENTS	119

TOTAL URBAN-RURAL ACCIDENTS	313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DEERFIELD
GREENFIELD
INTERSTATE
91
12
NORTH
LEOMINSTER
62
WEST
PRINCETON
BARRE
9
WINDSOR
PITTSFIELD
20
9
FRANKLIN
HAMPSHIRE
HAMPDEN
WORCESTER
Quabbin
Reservoir
Greenfield
Deerfield
Northfield
Mt. Grace
State Forest
Warwick
Winchendon
Athol
Gardner
Orange
Wendell
New Salem
Amherst
Amherst College
Pelham
Hadley
Northampton
Holyoke
Chicopee
Springfield
West
Springfield
Westfield
Ludlow
Palmer
Three Rivers
Monson
Brimfield
Sturbridge
Southbridge
Worcester
Leicester
Spencer
Barre
Petersham
Phillipston
Templeton
Gilbertville
Ware
Warren
Belchertown
Granby
S. Hadley
Mt. Holyoke
College
Westover
Air Force Base
Bernardston
Leyden
Millers Falls
Turners Falls
Montague City
Erving
Farley
Tully
Royalston
Petersham
Hardwick
Barre
Oakham
Rutland
Holden
Paxton
Auburn
Millbury
Grafton
Shrewsbury
Northborough
Westborough
Southborough
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Natick
Wellesley
Needham
Dedham
Norwood
Canton
Stoughton
Randolph
Braintree
Quincy
Weymouth
Hingham
Cohasset
Scituate
Marshfield
Duxbury
Kingston
Plymouth
Bridgewater
Taunton
Raynham
Middleborough
Lakeville
Rochester
Mattapoisett
Wareham
Buzzards Bay
Falmouth
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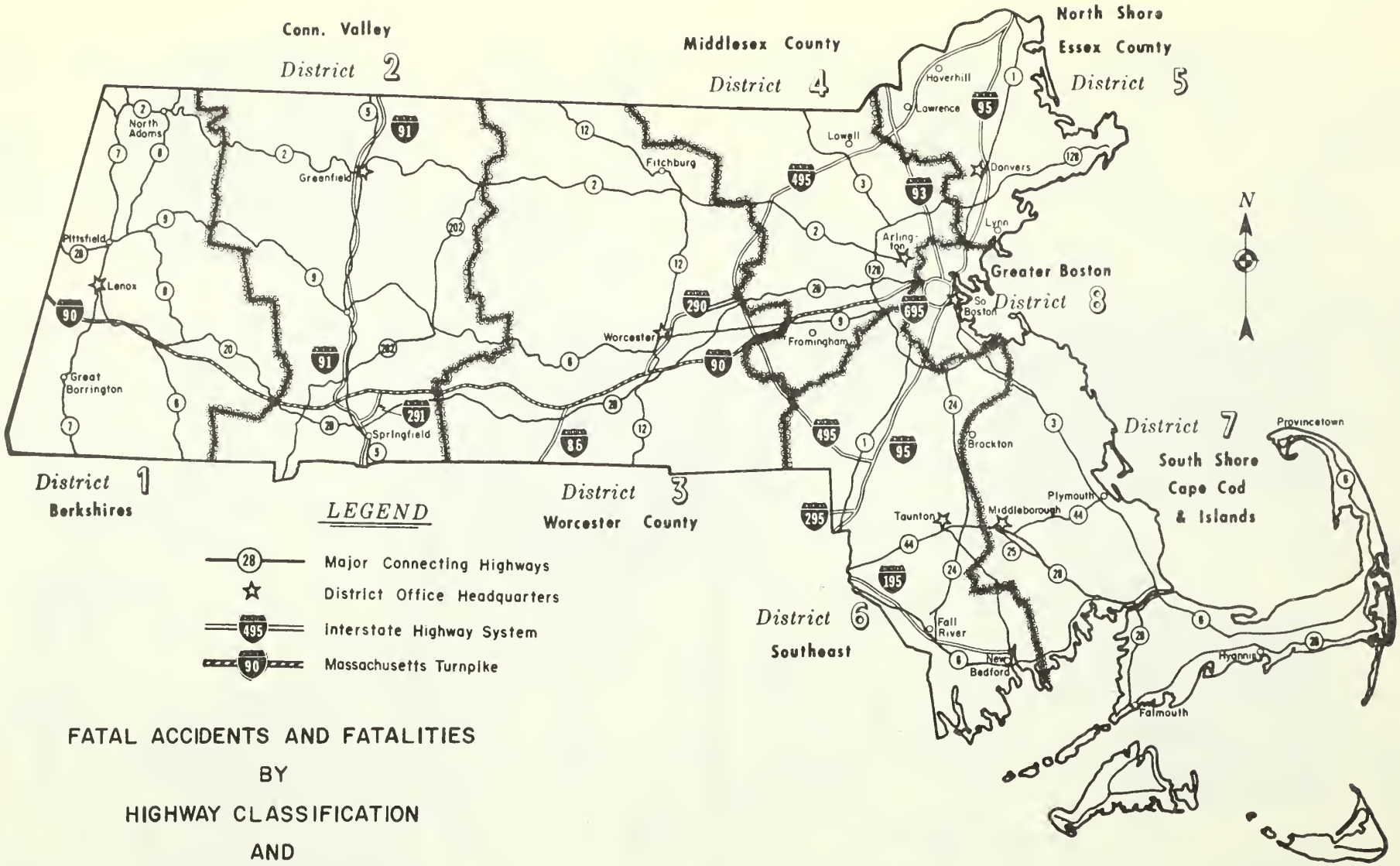
Provincetown
Truro
Wellfleet
Orleans
Chatham
Harwich
Dennis
Yarmouth
Barnstable
Sandwich
Bourne
Mashpee
Hyannis
Hyannis Port
Falmouth
Woods Hole
Martha's Vineyard
Nantucket
Cape Cod
Provincetown
Truro
Wellfleet
Orleans
Chatham
Harwich
Dennis
Yarmouth
Barnstable
Sandwich
Bourne
Mashpee
Hyannis
Hyannis Port

TABLE XXII

LOCATION BY ROUTE NUMBER

ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES
1	8	8	23	2	2	I-95	9	9	138	6	6
1A	4	4	24	5	5	107	4	4	140	6	7
2	17	20	28	13	15	110	5	5	146	4	4
2A	8	8	28A	1	1	112	2	2	169	1	1
3	17	20	31	1	2	113	3	3	I-195	6	7
3A	12	15	32	3	4	114	3	3	197	1	1
5	7	7	37	1	2	114A	1	1	202	5	5
6	8	10	38	3	3	116	3	4	228	1	1
6A	3	3	44	6	7	119	1	1	I-290	1	1
7	8	9	53	3	3	122	4	4	I-495	11	11
9	15	16	62	1	1	122A	1	1	M	15	16
10	1	4	63	1	1	123	1	1	S.E.X.	6	7
12	4	5	67	1	1	126	1	1			
16	1	1	70	1	1	127	2	2			
18	5	5	I-91	5	5	128	14	18			
20	19	21	I-93	11	13	133	1	3			

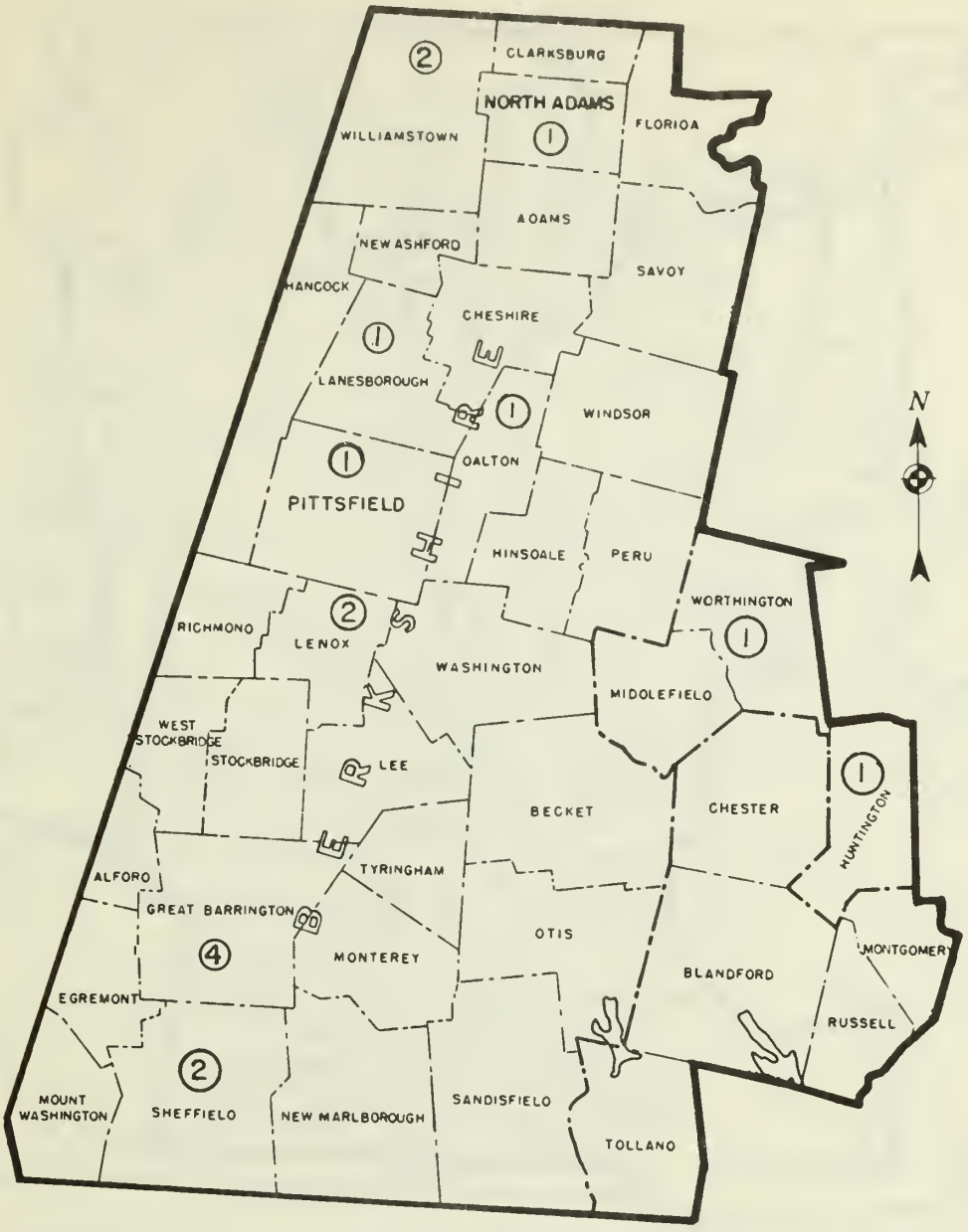


FATAL ACCIDENTS AND FATALITIES BY HIGHWAY CLASSIFICATION AND DISTRICT

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
INTERSTATE	43	45
PRIMARY	225	256
SECONDARY	29	33
MISCELLANEOUS	16	17
TOTALS	313	351

DISTRICT FATALITIES			
1	16	5	42
2	41	6	68
3	56	7	46
4	61	8	21
TOTALS		351	

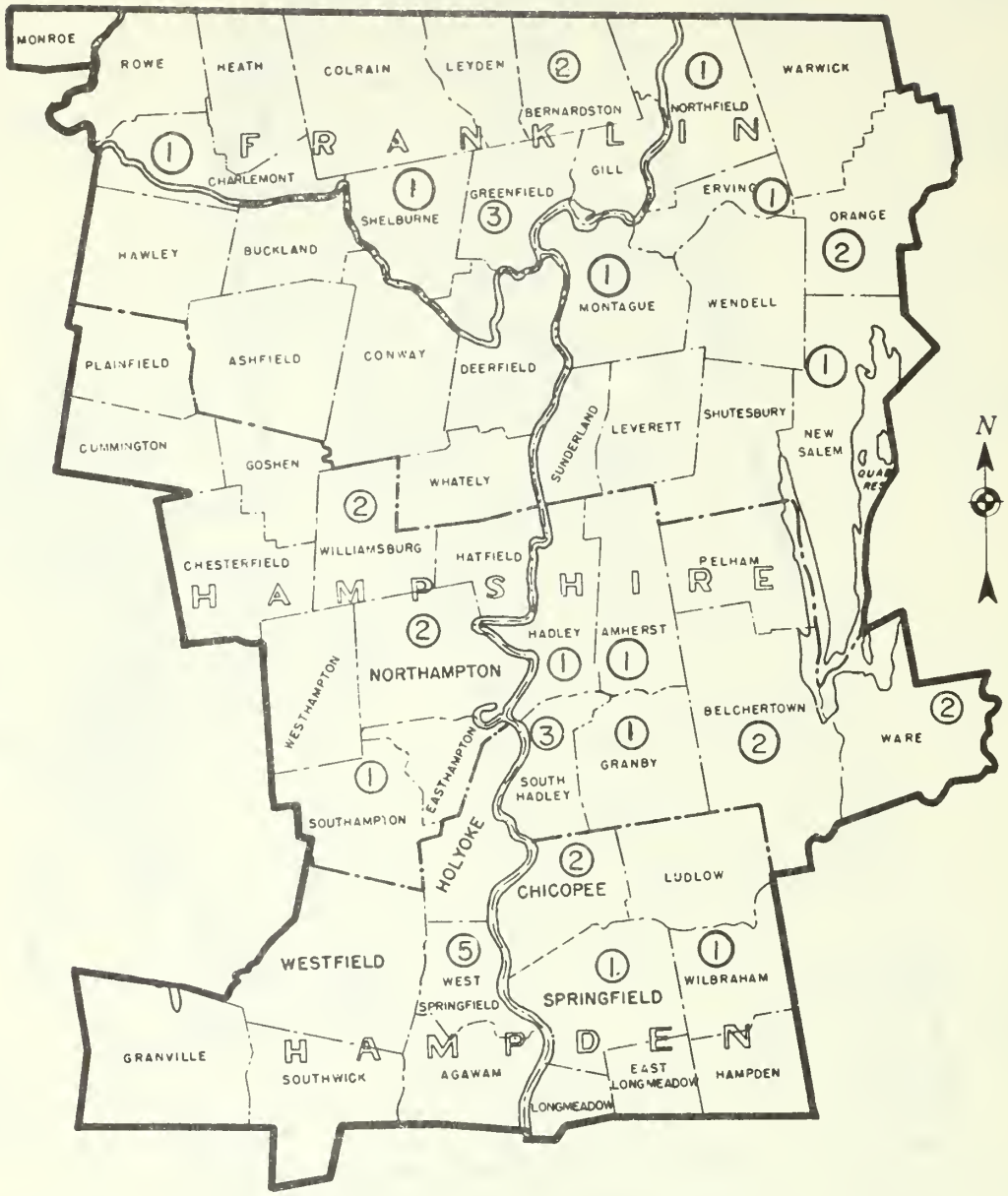
DISTRICT 1



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	—	—
F. A. PRIMARY	13	14
F. A. SECONDARY	2	2
MISCELLANEOUS	—	—
1970 TOTALS	15	16

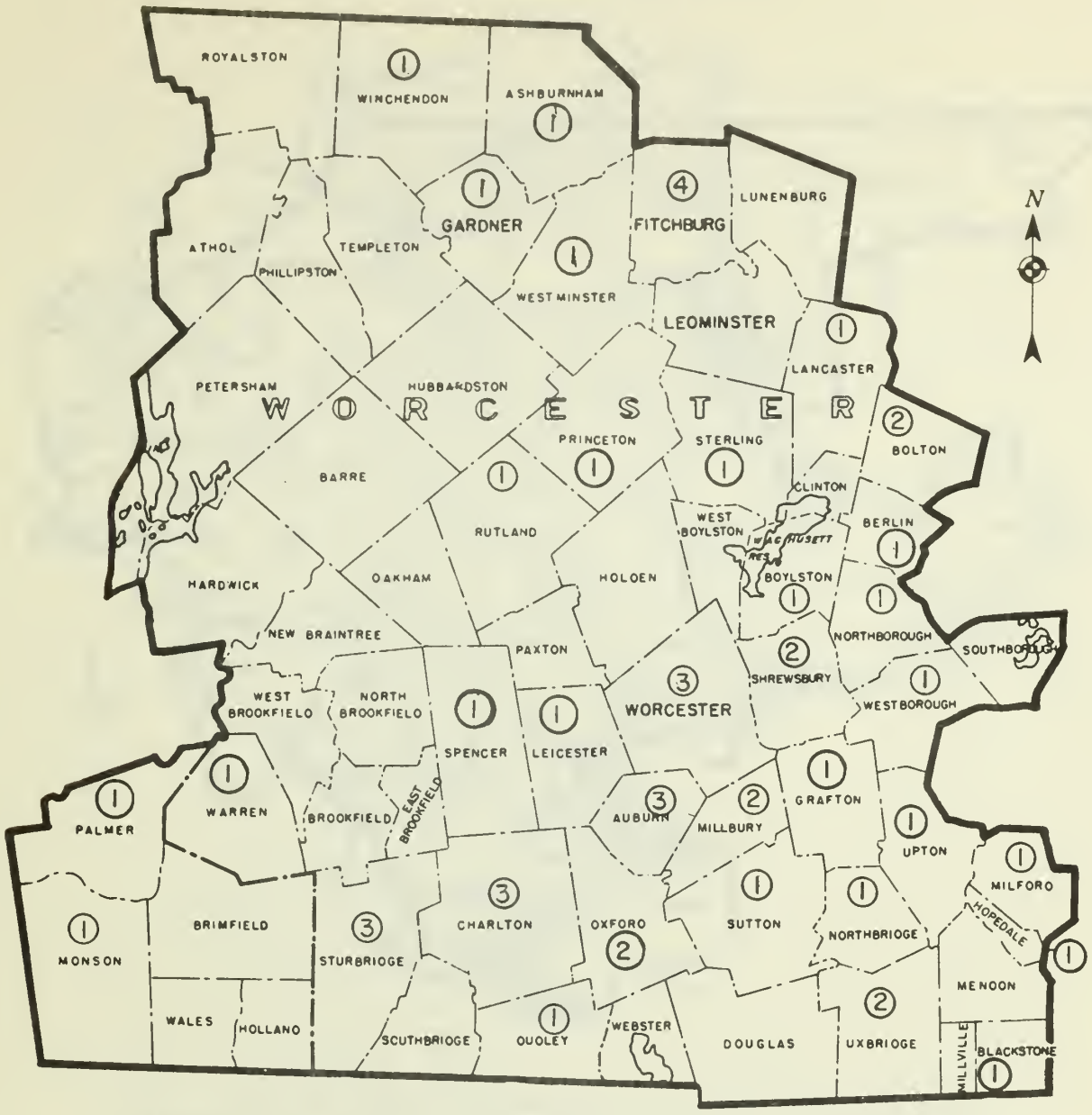
DISTRICT 2



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F.A. INTERSTATE	5	5
F. A. PRIMARY	27	31
F. A. SECONDARY	3	3
MISCELLANEOUS	2	2
1970 TOTALS	37	41

DISTRICT 3



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	4	4
F. A. PRIMARY	36	40
F. A. SECONDARY	10	11
MISCELLANEOUS	1	1
1970 TOTALS	51	56

DISTRICT 4

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

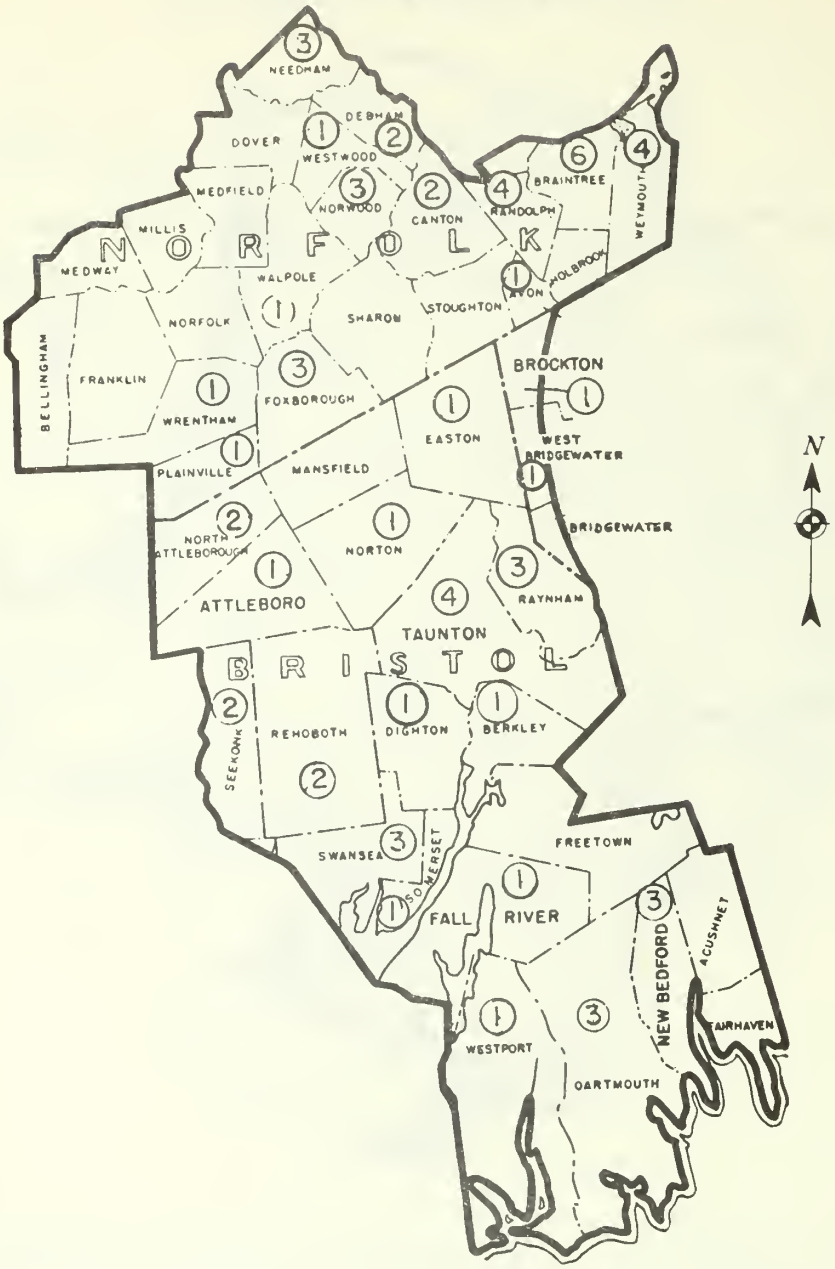
HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	9	10
F. A. PRIMARY	37	42
F. A. SECONDARY	4	5
MISCELLANEOUS	4	4
1970 TOTALS	54	61

DISTRICT 5

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	11	11
F. A. PRIMARY	21	25
F. A. SECONDARY	4	6
MISCELLANEOUS	—	—
1970 TOTALS	**36**	**42**

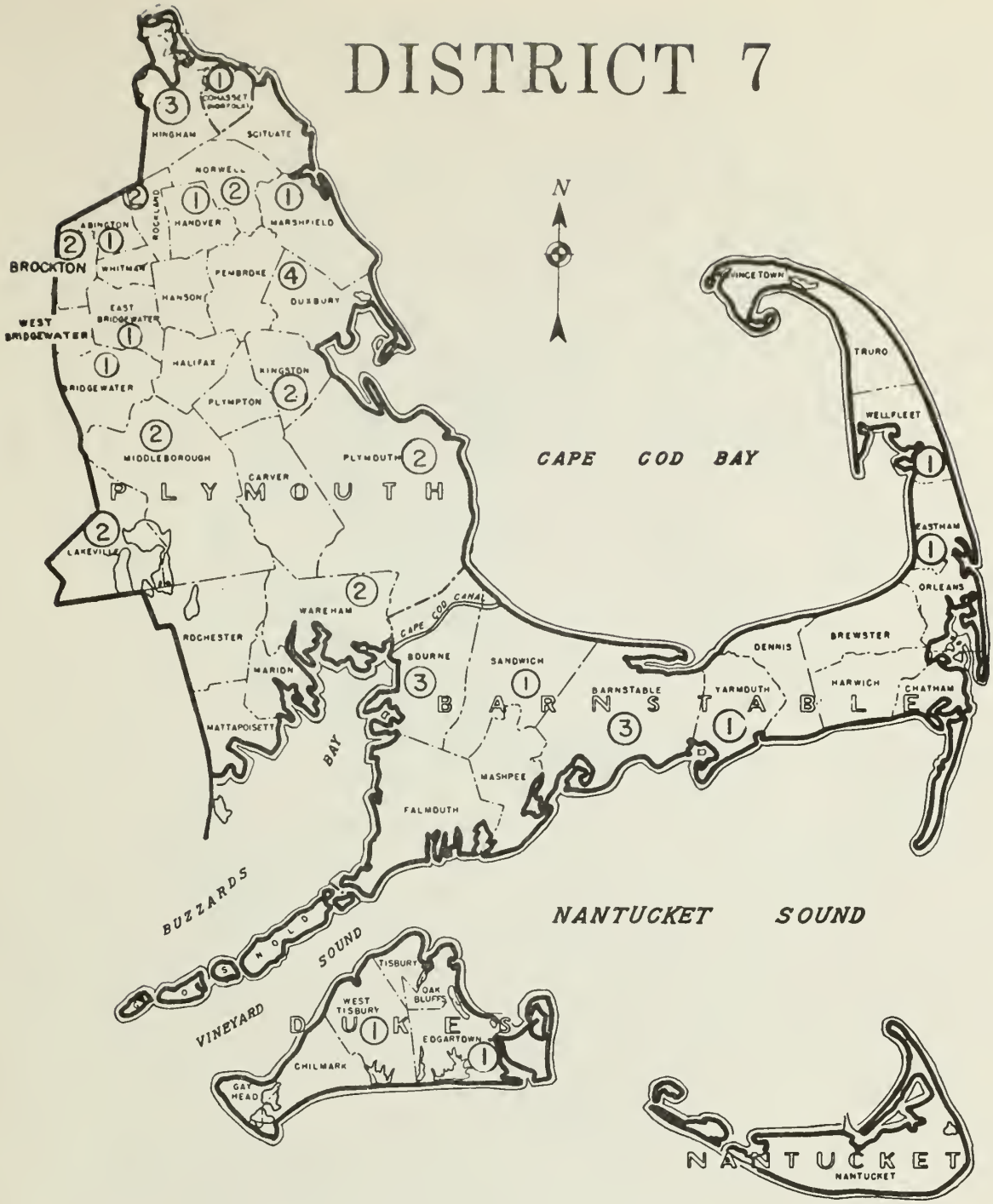
DISTRICT 6



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	11	12
F. A. PRIMARY	49	54
F. A. SECONDARY	1	1
MISCELLANEOUS	1	1
1970 TOTALS	62	68

DISTRICT 7



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	—	—
F. A. PRIMARY	28	34
F. A. SECONDARY	5	5
MISCELLANEOUS	6	7
1970 TOTALS	39	46

DISTRICT 8

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	3	4
F. A. PRIMARY	14	15
F. A. SECONDARY	—	—
MISCELLANEOUS	2	2
1970 TOTALS	19	21

M-TSS TC 20.4:971

Government Documents
Collection
FEB 20 1973
University of Massachusetts

STATE HIGHWAY

FATAL MOTOR VEHICLE ACCIDENTS 1971

MASSACHUSETTS
DEPARTMENT OF
PUBLIC WORKS
TRAFFIC
SECTION

ACCIDENTS

1971

BUREAU OF TRAFFIC OPERATIONS

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

BRUCE CAMPBELL
COMMISSIONER

DANIEL S. HORGAN
CHIEF ENGINEER

K. KREKORIAN
DEPUTY CHIEF ENGINEER
BUREAU OF TRAFFIC OPERATIONS

V J. CANTONE
TRAFFIC ENGINEER

CO-OPERATING AGENCY
REGISTRY OF MOTOR VEHICLES

DAVID J. LUCEY
REGISTRAR

PUBLICATION NO. 717 APPROVED BY
ALFRED C. HOLLAND, STATE PURCHASING AGENT

FOREWORD

SIXTH ANNUAL REPORT

This publication is a reflection of the growing concern over traffic deaths and of the efforts expended in researching their causes and cures.

The Traffic Engineering Section of the Bureau of Traffic Operations wishes to acknowledge the contributions of the Registry of Motor Vehicles, other Sections of the Department of Public Works and local Police Departments in their assistance in the preparation of this report which represents only one facet of the Accident Records and Surveillance System established within the Department.

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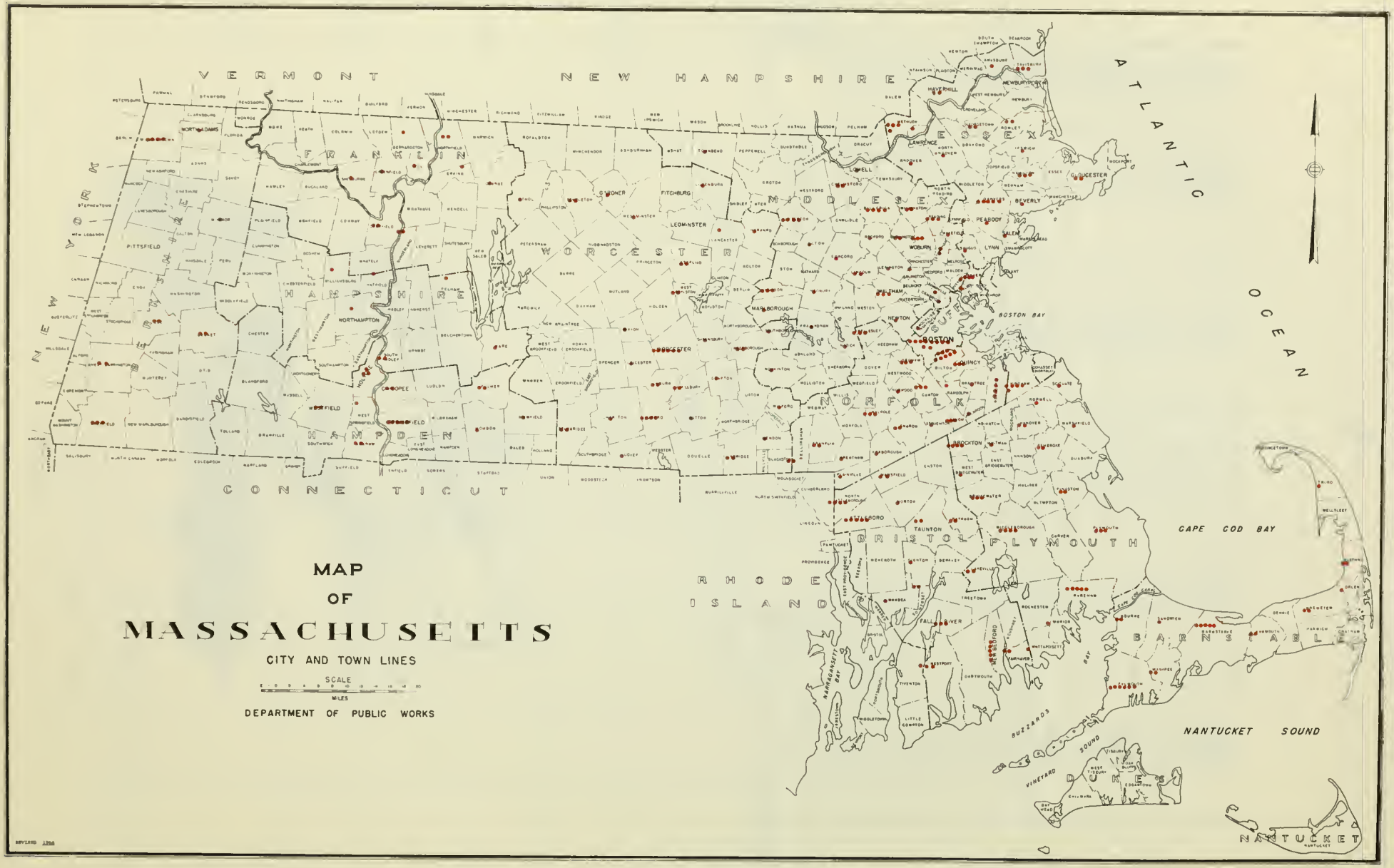


MAP OF MASSACHUSETTS

CITY AND TOWN LINES

SCALE

MILES

DEPARTMENT OF PUBLIC WORKS

REVISED 1966

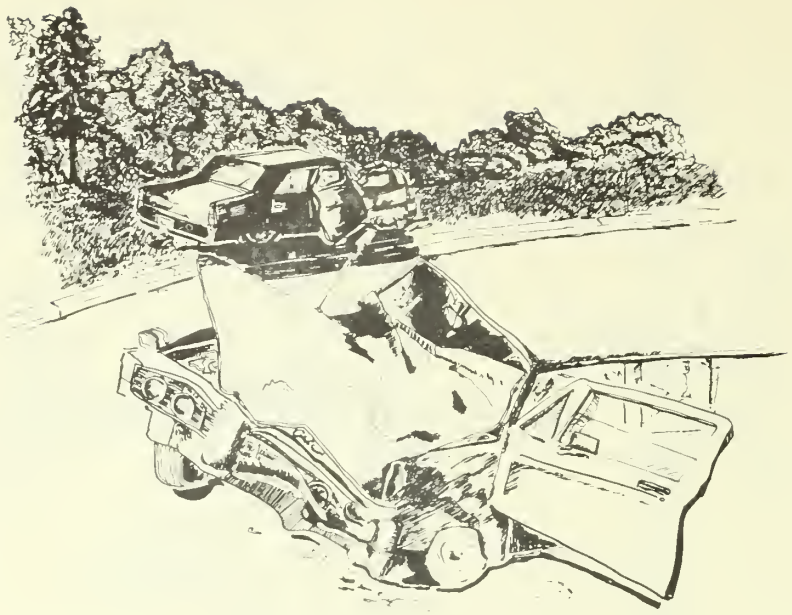


TABLE I

FATAL ACCIDENT AND FATALITY RATE BY YEAR

YEAR	VEHICLEMILES OF TRAVEL (100MILLION)	NUMBER OF FATAL ACCIDENTS	FATAL ACCIDENT RATE	NUMBER OF FATALITIES	FATALITY RATE
1961	61.9	159	2.57	183	2.96
1962	63.4	222	3.50	243	3.83
1963	65.7	221	3.36	250	3.80
1964	68.4	252	3.70	275	4.04
1965	70.9	278	3.92	315	4.44
1966	73.9	302	4.09	337	4.56
1967	90.5	286	3.16	345	3.81
1968	93.3	308	3.30	343	3.68
1969	118.71	287	2.42	319	2.69
1970	123.8	313	2.53	351	2.82
1971	130.3	327	2.51	373	2.86

GRAPH I

VEHICLE TRAVEL vs. DEATHS and DEATH RATES

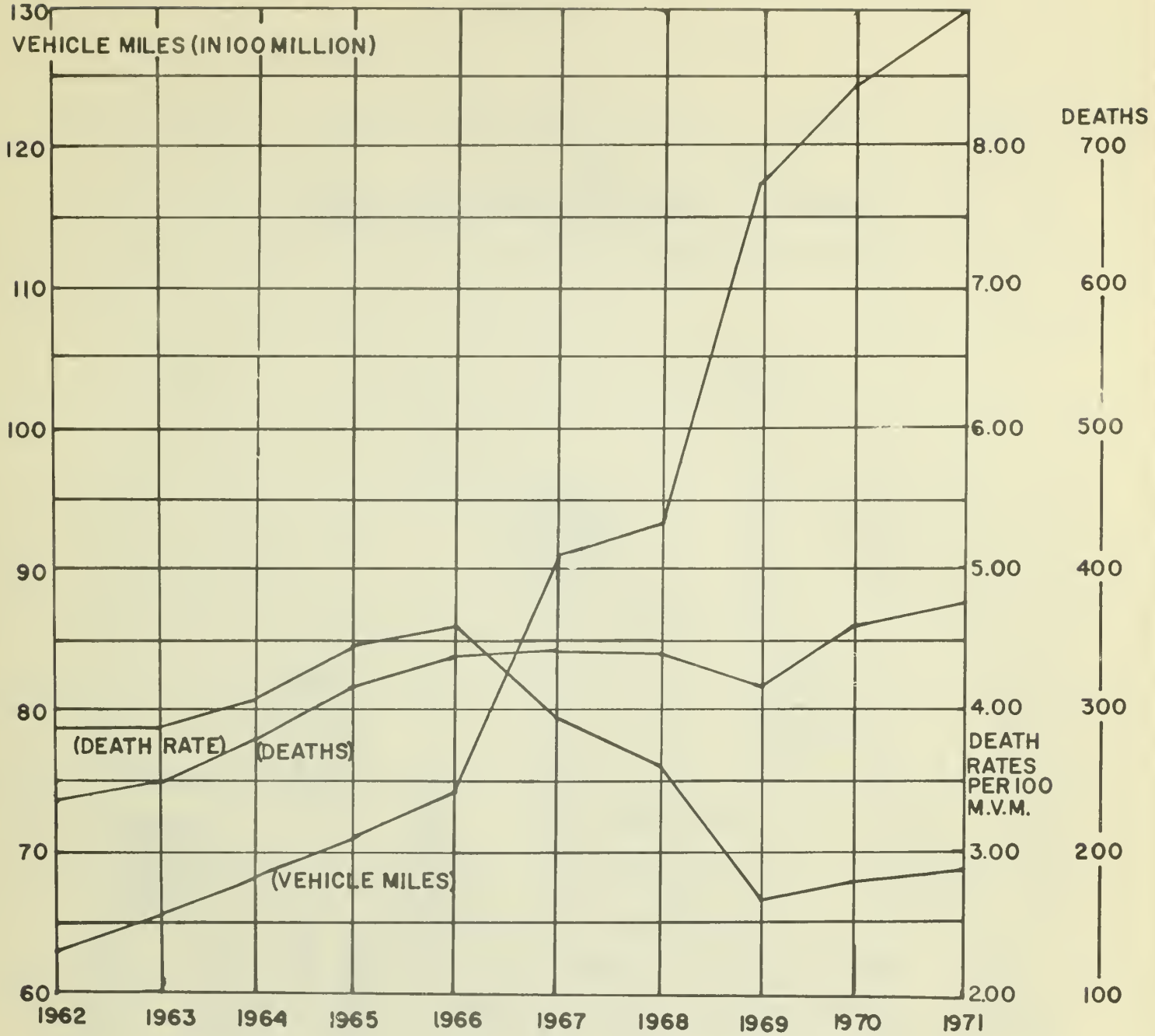
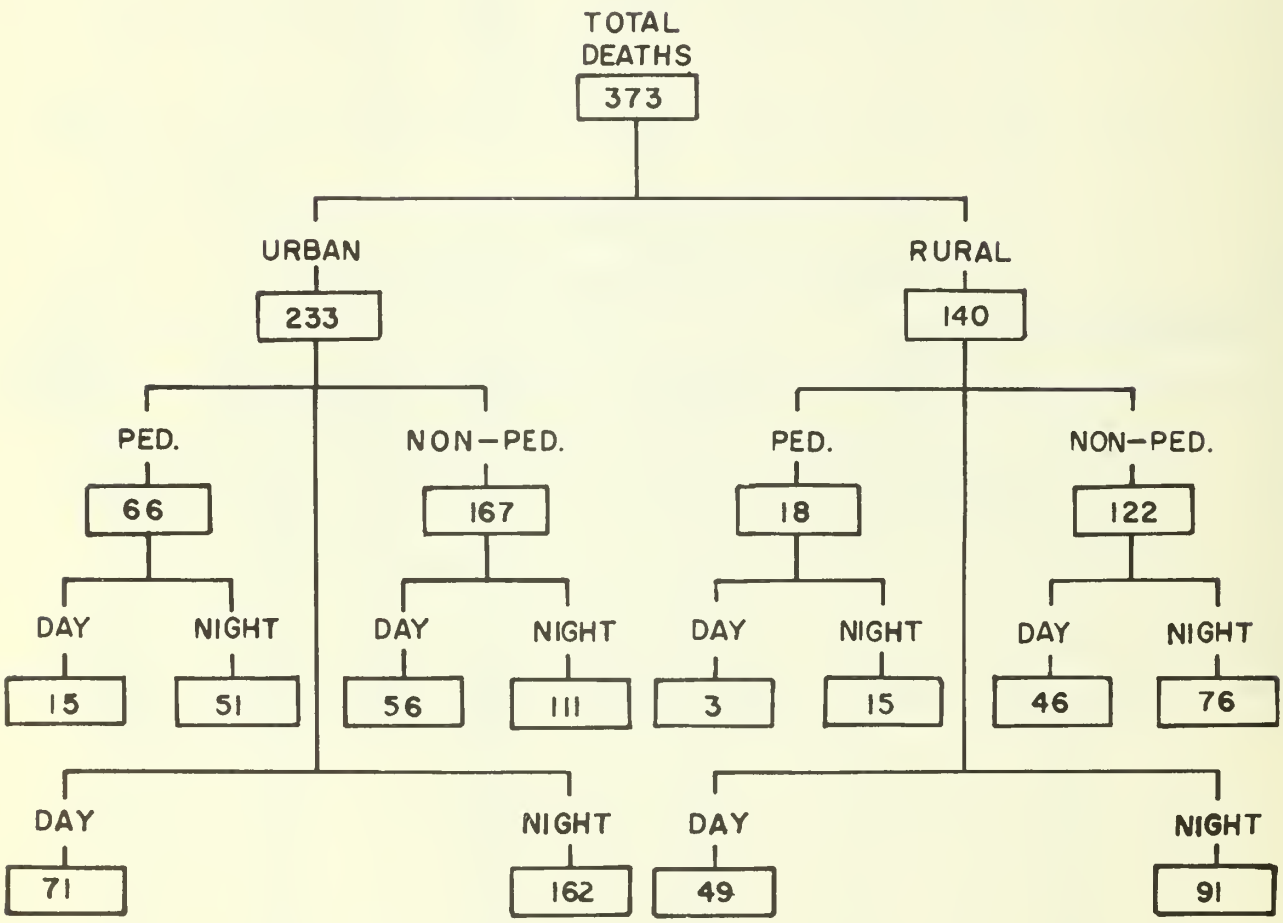


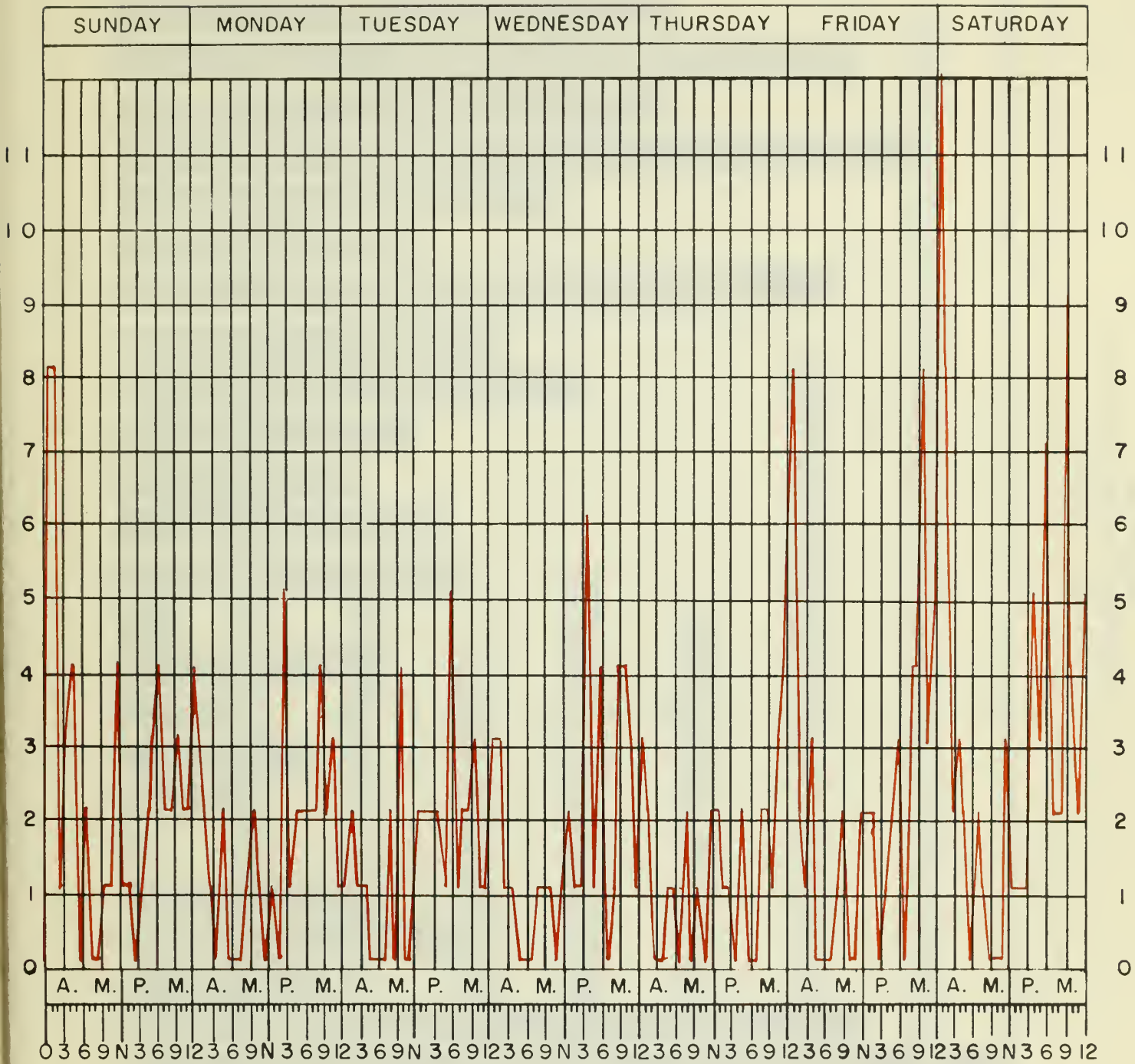
TABLE II

PRINCIPAL CLASSES OF MOTOR VEHICLE DEATHS



GRAPH II

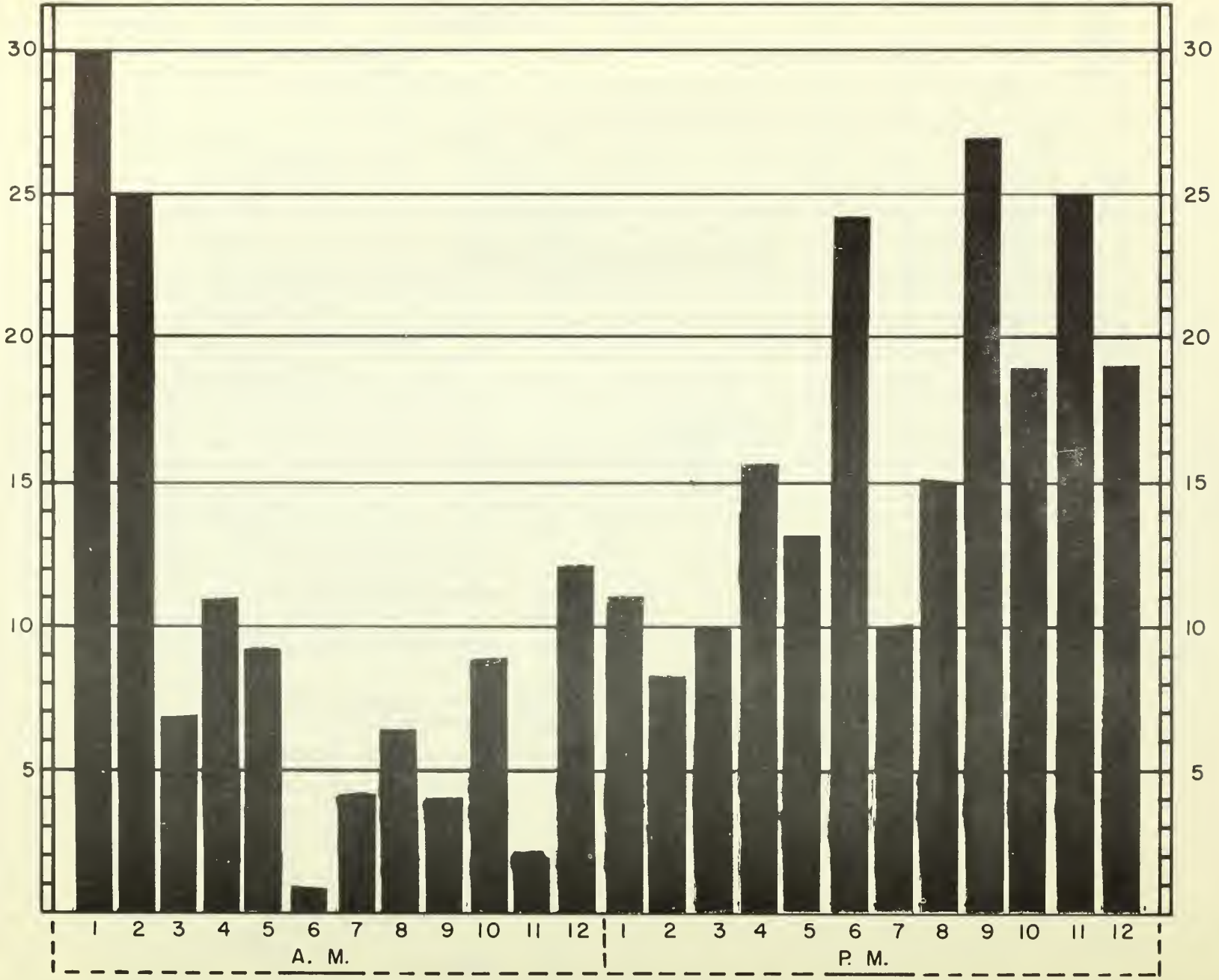
FATAL ACCIDENTS BY HOUR OF THE DAY



GRAPH III

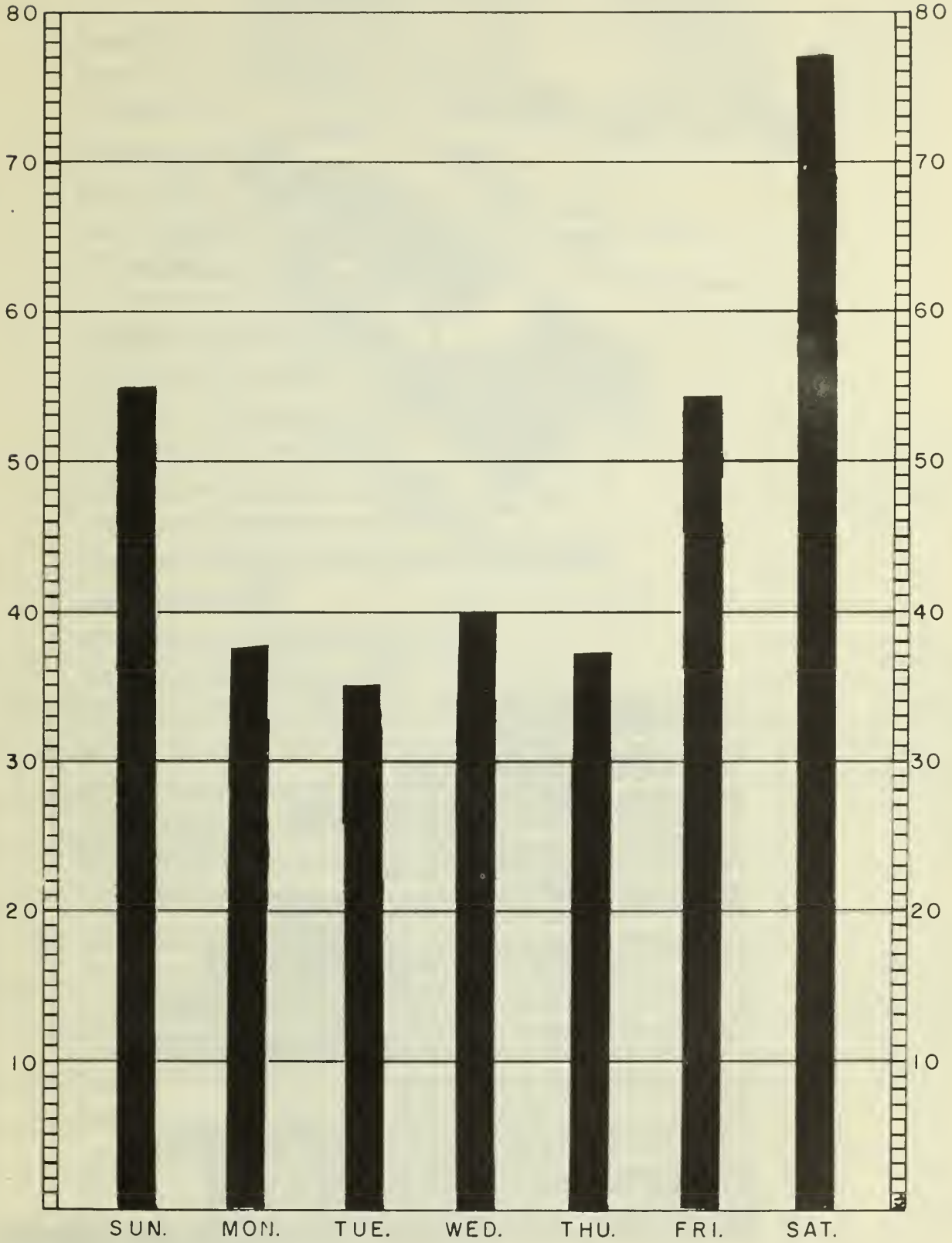
ACCIDENTS BY HOUR OF THE DAY

(YEARLY AVERAGE)



GRAPH IV

FATAL ACCIDENTS BY DAY OF WEEK



GRAPH V

FATAL ACCIDENTS BY MONTH OF THE YEAR

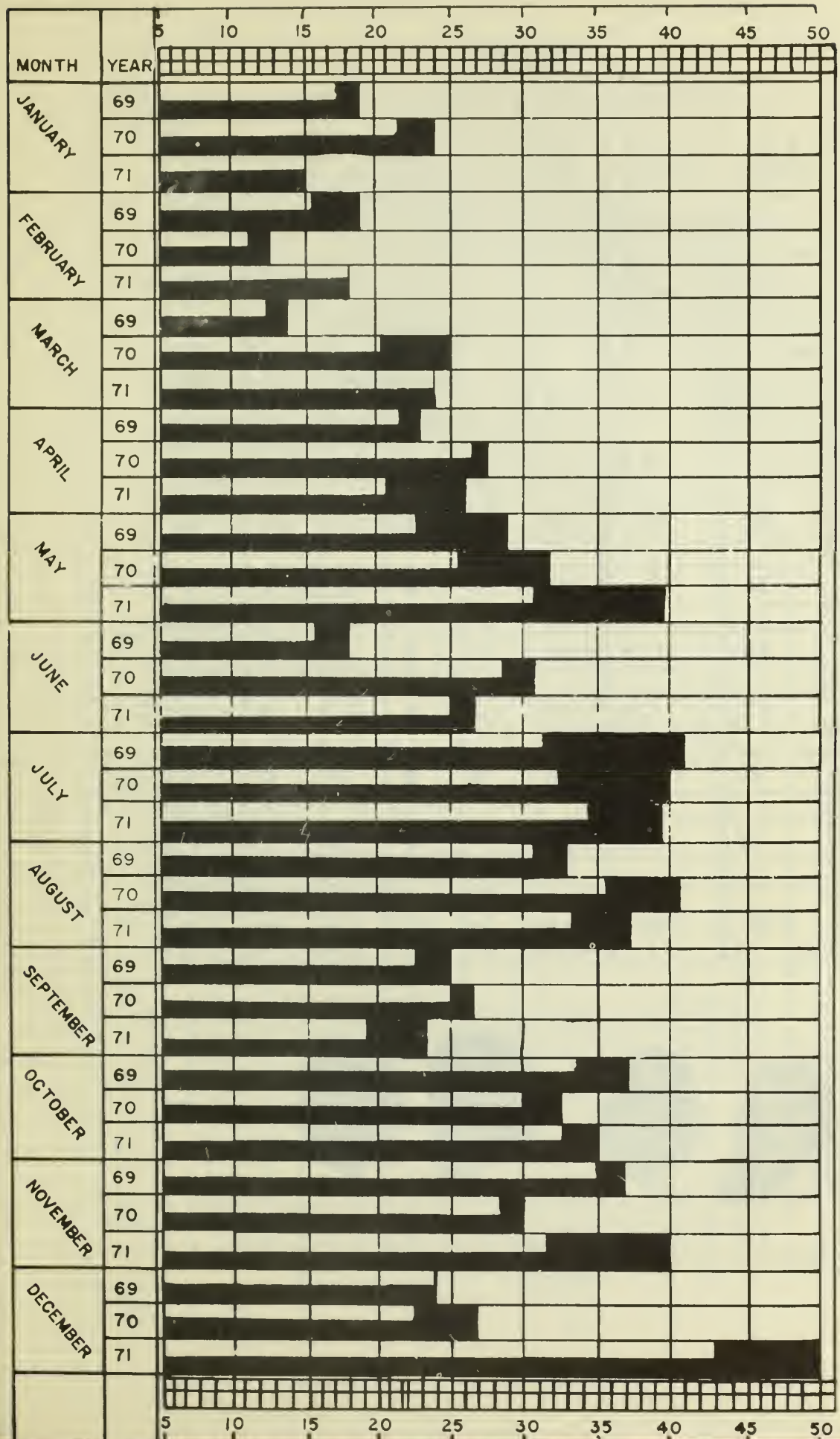
MONTH	FATAL ACCIDENTS PER MONTH
JANUARY	15
FEBRUARY	18
MARCH	24
APRIL	21
MAY	33
JUNE	25
JULY	34
AUGUST	33
SEPTEMBER	19
OCTOBER	32
NOVEMBER	32
DECEMBER	43
TOTAL	329

5 10 15 20 25 30 35 40

GRAPH VI

FATAL ACCIDENTS AND FATALITIES

BY MONTH AND YEAR



NUMBER OF	
ACCIDENTS	FATALITIES
1969	
1970	
1971	

1969 TOTAL	
ACCIDENTS	FATALITIES
287	319

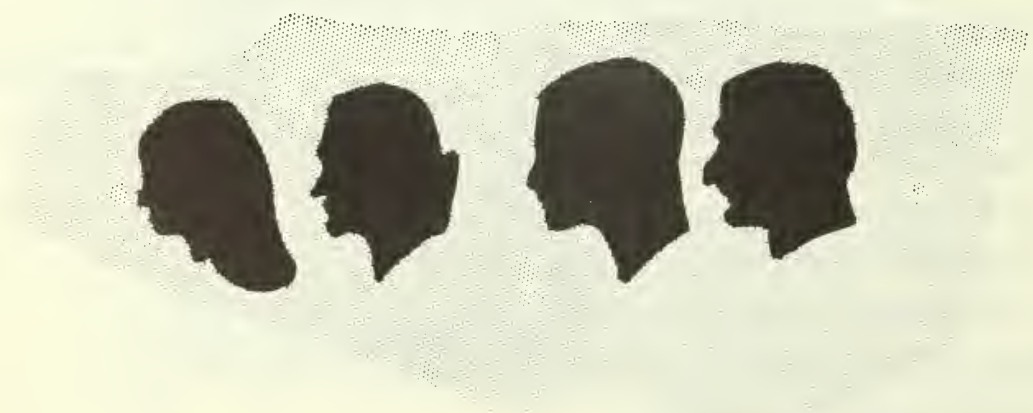
1970 TOTAL	
ACCIDENTS	FATALITIES
313	351

1971 TOTAL	
ACCIDENTS	FATALITIES
329	373

TABLE III

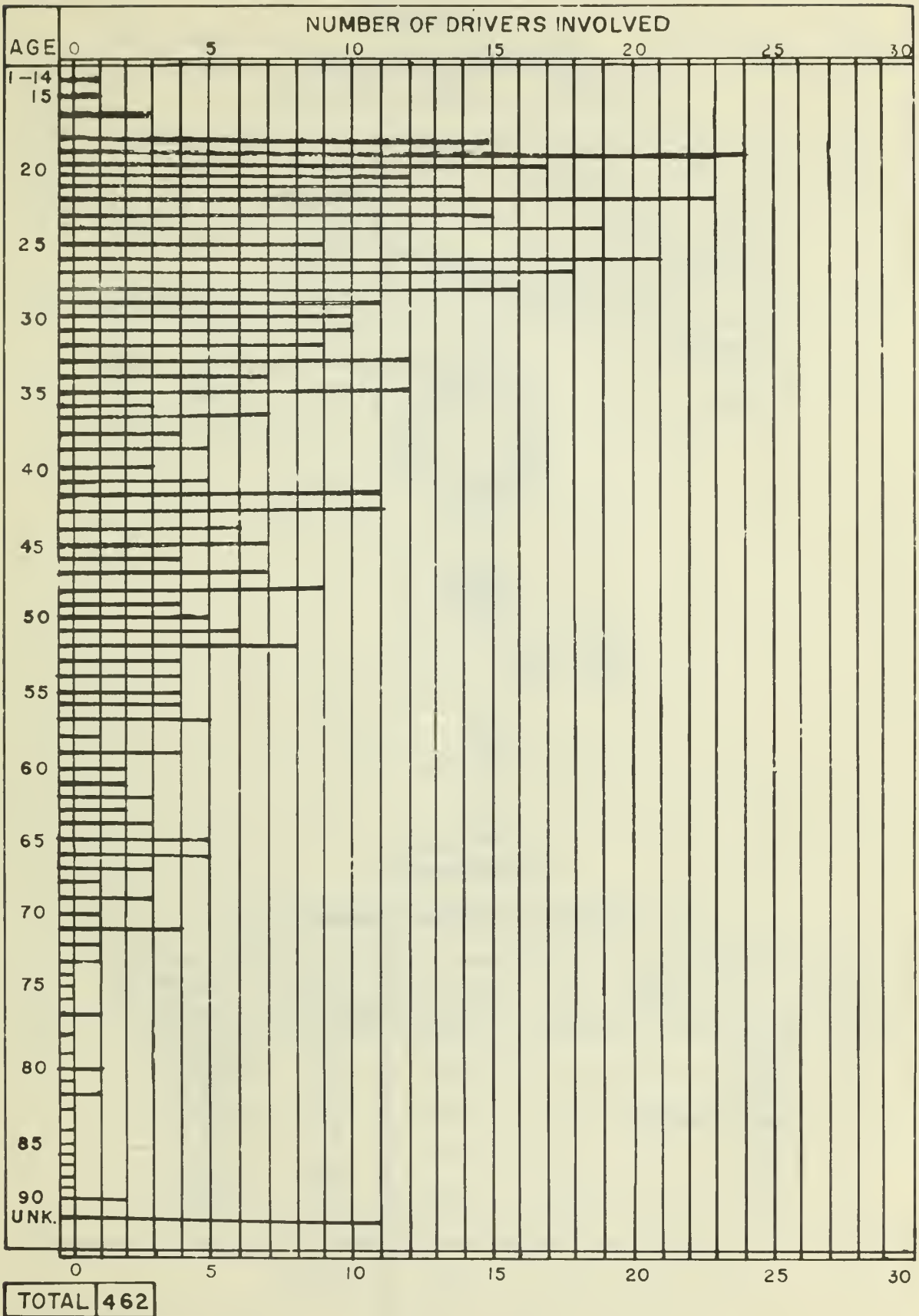
FATALITIES BY AGE AND SEX OF VICTIM

FATALITY AGE	SUM TOTALS	% OF TOTAL	DRIVERS		PEDESTRIAN		PASSENGERS	
			M	F	M	F	M	F
0-4	4	1.1			1		1	2
5-9	6	1.6			3		3	
10-14	13	3.5			3	6	2	2
15-19	68	18.2	33		9	4	14	8
20-24	70	18.8	34	3	7	4	12	10
25-34	60	16.1	36	5	10		3	6
35-44	35	9.4	21	3	4	2	4	1
45-54	44	11.8	19	7	8	1	5	4
55-64	27	7.2	15	4	2	1	2	3
65-74	30	8.0	8	4	6	3	4	5
75-over	16	4.3	2	1	6	3		4
TOTAL	373	100	168	27	59	24	50	45



GRAPH VII

AGE OF DRIVERS INVOLVED IN FATAL ACCIDENTS



TOTAL 462

TABLE IV

RESIDENCE OF DRIVERS

INVOLVED IN FATAL ACCIDENTS

ACCIDENT INVOLVING:	NO. OF DRIVERS	% OF TOTAL
LOCAL RESIDENT	347	75.1
RESIDENT ELSEWHERE IN STATE	30	6.5
OUT OF STATE RESIDENT	77	16.7
UNKNOWN	8	1.7
TOTAL	462	100

TABLE V

SEX OF DRIVERS

INVOLVED IN FATAL ACCIDENTS

SEX	NO. OF DRIVERS	% OF TOTAL
MALE	384	83.1
FEMALE	69	14.9
UNREPORTED	9	2.0
TOTAL	462	100

TABLE VI

FATAL ACCIDENTS BY LIGHT CONDITIONS

LIGHT CONDITION	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DAYLIGHT	102	31.0	120	32.2
DAWN OR DUSK	8	2.4	9	2.4
DARKNESS	219	66.6	244	65.4
NOT STATED	—	—	—	—
TOTALS	329	100	373	100

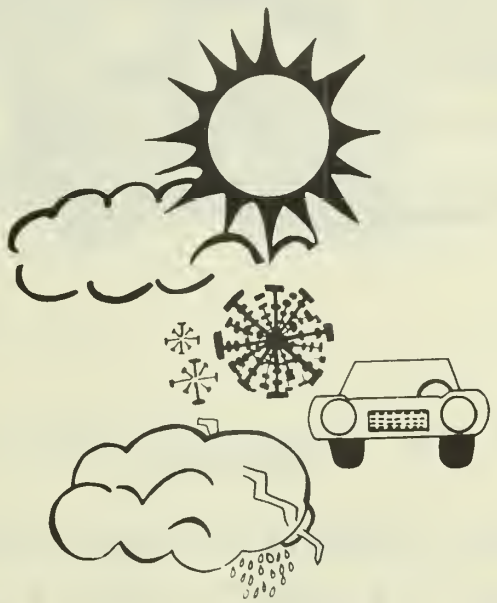


TABLE VII

FATAL ACCIDENTS BY WEATHER CONDITIONS

WEATHER	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
CLEAR	233	70.8	262	70.2
CLOUDY	39	11.9	42	11.3
FOG	8	2.4	8	2.1
RAIN	39	11.9	51	13.7
SLEET	3	0.9	3	0.8
SNOW	7	2.1	7	1.9
TOTALS	329	100	373	100

TABLE VIII

FATAL ACCIDENTS BY SURFACE CONDITION

CONDITION OF ROAD SURFACE	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DRY	250	76.0	282	75.6
WET	58	17.6	70	18.8
SNOWY	6	1.8	6	1.6
ICY	14	4.3	14	3.7
OTHER	1	0.3	1	0.3
TOTAL	329	100	373	100

TABLE IX

FATAL ACCIDENTS

BY TYPE OF COLLISION ACCIDENTS

TYPE OF MV ACCIDENT	NO. OF ACCIDENTS	NO. OF FATALITIES
OVERTURNED	17	18
ANGLE	50	58
REAR END	18	21
HEAD-ON	52	71
RAN OFF ROADWAY (H.F.O.)	101	114
GENERAL (NO COLLISION)+PEDESTRIAN	90	90
ANIMAL	1	1
TOTALS	329	373

TABLE X

FATAL ACCIDENTS

BY TYPE OF MOTOR VEHICLE ACCIDENTS

-COLLISION AT INTERSECTION-

COLLISION OF TWO OR MORE VEHICLES IN TRAFFIC AT AN INTERSECTION	NUMBER OF ACCIDENTS	NUMBER OF FATALITIES
ENTERING FROM SAME DIRECTION:		
Both Going Straight	1	1
One Turn, One Straight	6	8
One Stopped	—	—
All Others	—	—
ENTERING FROM OPPOSITE DIRECTION:		
Both Going Straight	11	13
One Turn, One Straight	6	6
One Stopped	—	—
All Others	—	—
ENTERING INTERSECTION:		
At Angle	8	9
At Rotary		
At On-Ramp	2	3
At Off-Ramp	1	1
TOTALS	35	41

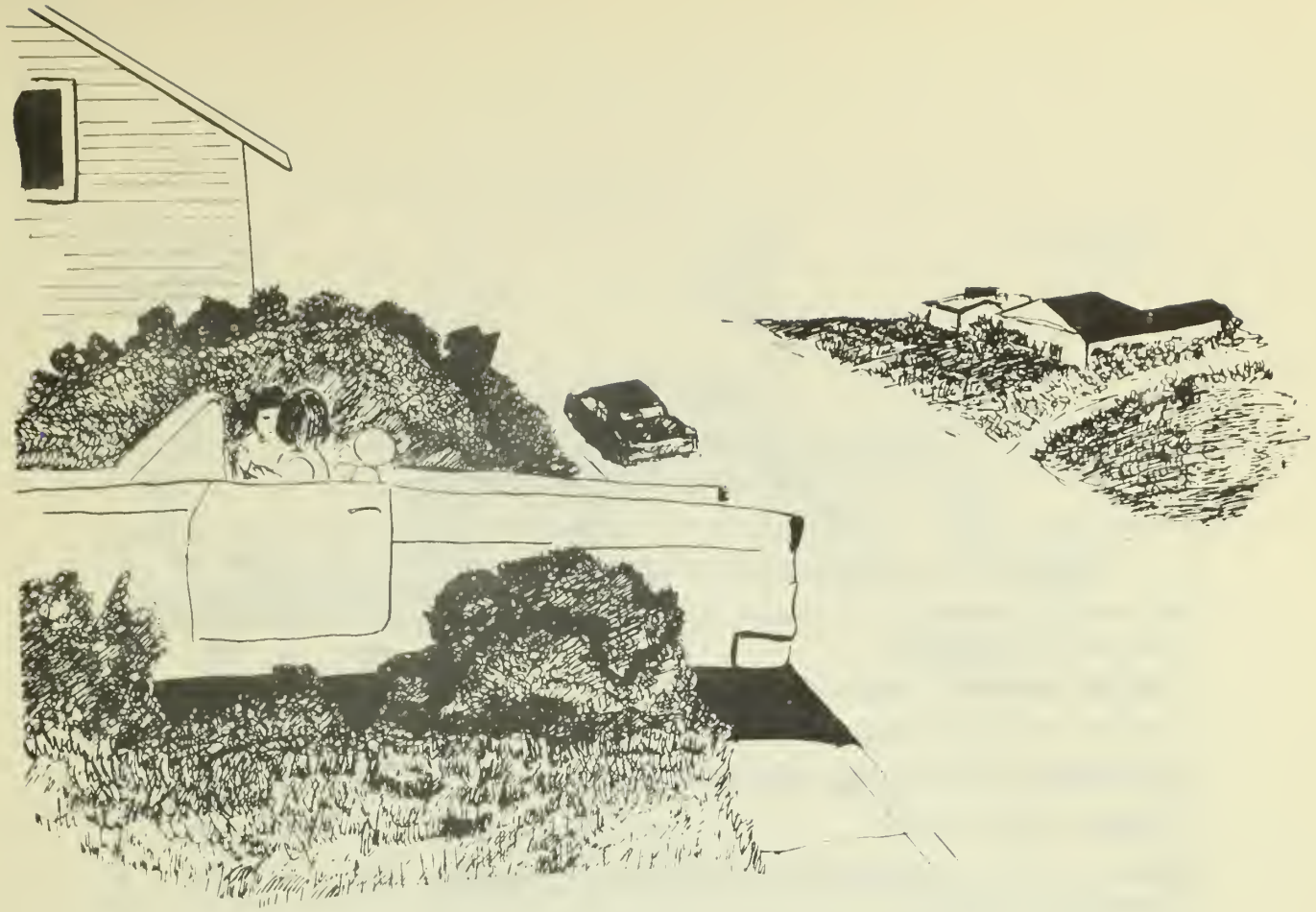


TABLE XI

FATAL ACCIDENTS BY TYPE OF MOTOR VEHICLE ACCIDENT
COLLISION NOT AT INTERSECTION

COLLISION OF TWO OR MORE MOTOR VEHICLES IN TRAFFIC NOT AT INTERSECTION	NO. OF ACCIDENTS	NO. OF FATALITIES
GOING OPPOSITE DIRECTION—BOTH MOVING	55	76
GOING SAME DIRECTION—BOTH MOVING	20	22
ONE VEHICLE PARKED	3	3
ONE VEHICLE STOPPED IN TRAFFIC	—	—
ONE VEHICLE ENTERING PARKED POSITION	—	—
ONE VEHICLE LEAVING PARKED POSITION	—	—
ONE VEHICLE ENTERING ALLEY OR DRIVEWAY	3	3
ONE VEHICLE LEAVING ALLEY OR DRIVEWAY	2	3
ALL OTHERS	2	2
TOTAL NOT AT INTERSECTION	85	109

TABLE XII

FATAL ACCIDENTS AND FATALITIES BY
CONTRIBUTING CIRCUMSTANCES

CONTRIBUTING CIRCUMSTANCES INDICATED	NO. OF ACCIDENTS	NO. OF FATALITIES
ALCOHOL INVOLVED	44	52
SPEED TOO FAST FOR CONDITIONS	64	81
FAILED TO YIELD RIGHT OF WAY	12	15
IMPROPER OVERTAKING AND/OR PASSING	2	2
WRONG WAY DRIVING	1	2
DROVE LEFT OF CENTER (ON WRONG SIDE OF ROAD, NOT OVERTAKING)	23	25
FAILED TO GIVE PROPER SIGNAL	1	1
IMPROPER TURNING MOVEMENT	3	3
OPERATING UNREGISTERED – UNINSURED VEHICLE	2	2
DISREGARDED WARNING OR STOP SIGN	2	3
DISREGARDED TRAFFIC SIGNAL	1	1
OTHER IMPROPER DRIVING	33	35
LEAVING SCENE OF ACCIDENT	6	6
NO VIOLATION	53	58
NOT STATED	82	87

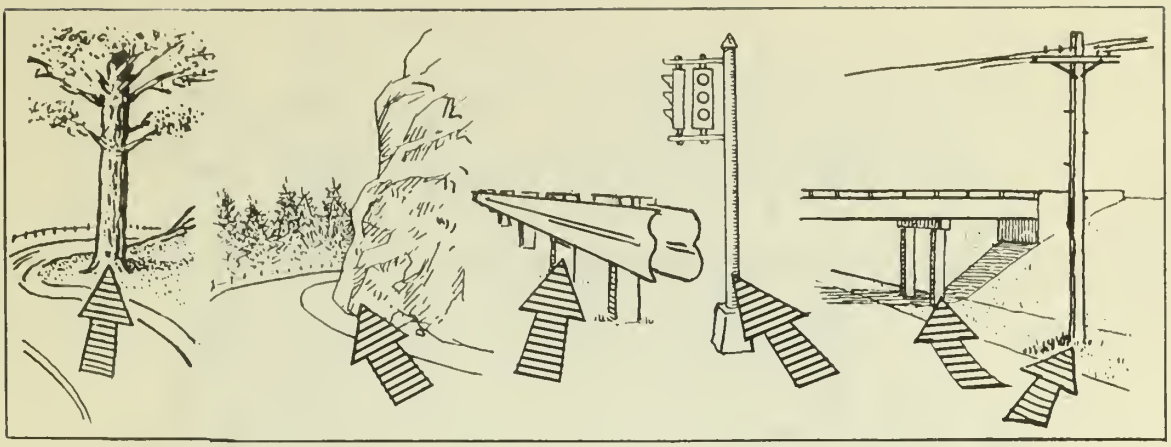


TABLE XIII

FATAL ACCIDENTS INVOLVING FIXED OBJECTS

OBJECT INVOLVED	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
BRIDGE ABUTMENT & PIER	6	5.9	7	6.1
BRIDGE RAILING	—	—	—	—
CURBING	8	7.9	8	7.0
UTILITY POLE	20	19.8	22	19.3
GUARD RAIL	22	21.8	26	22.8
LEDGE OR BANK	4	4.0	4	3.5
SIGN SUPPORT	4	4.0	5	4.4
POSTS	3	3.0	3	2.6
STONE WALL	2	2.0	2	1.8
TREE	23	22.7	26	22.8
MISCELLANEOUS	9	8.9	11	9.7
TOTAL	101	100	114	100

TABLE XIV

MANEUVERS INVOLVED IN PEDESTRIAN FATALITIES

PEDESTRIAN ACTION	NUMBER KILLED	% OF TOTAL	URBAN	RURAL
CROSSING OR ENTERING AT INTERSECTION	8	9.5	6	2
CROSSING BETWEEN INTERSECTIONS	36	42.9	28	8
WALKING IN ROADWAY WITH TRAFFIC	13	15.5	10	3
WALKING IN ROADWAY AGAINST TRAFFIC	5	5.9	4	1
STANDING IN ROADWAY	12	14.3	10	2
GETTING ON OR OFF VEHICLES	—	—	—	—
PUSHING OR WORKING ON VEHICLE IN ROADWAY	—	—	—	—
WORKING IN ROADWAY	1	1.2	1	—
BICYCLIST	5	5.9	4	1
OTHER IN ROADWAY	1	1.2	1	—
NOT IN ROADWAY	2	2.4	2	—
NOT STATED	1	1.2	—	1
TOTALS	84	100	66	18

TABLE XV

PEDESTRIAN ACTIONS BY AGE

PEDESTRIAN ACTION	PEDESTRIANS KILLED AGE								
	TOTAL	0-10	11-20	21-30	31-40	41-50	51-60	61-70	71 +
CROSSING OR ENTERING ROADWAY AT INTERSECTION	8	1	4	—	—	—	—	—	3
CROSSING BETWEEN INTERSECTIONS	36	2	11	5	4	3	2	1	8
WALKING IN ROADWAY WITH TRAFFIC	13	—	6	1	—	2	1	1	2
WALKING IN ROADWAY AGAINST TRAFFIC	5	1	—	2	—	1	—	1	—
STANDING IN ROADWAY	12	—	3	4	3	—	1	—	1
GETTING ON OR OFF OTHER VEHICLE	—	—	—	—	—	—	—	—	—
PUSHING OR WORKING ON VEHICLE IN ROADWAY	—	—	—	—	—	—	—	—	—
WORKING IN ROADWAY	1	—	—	—	—	—	1	—	—
PLAYING IN ROADWAY	—	—	—	—	—	—	—	—	—
OTHER IN ROADWAY—BICYCLIST	6	2	1	1	—	1	—	1	—
NOT IN ROADWAY	2	—	—	1	—	—	—	—	1
NOT STATED	1	—	1	—	—	—	—	—	—
*BICYCLIST —2 TOTAL	84	6	26	14	7	7	5	4	15

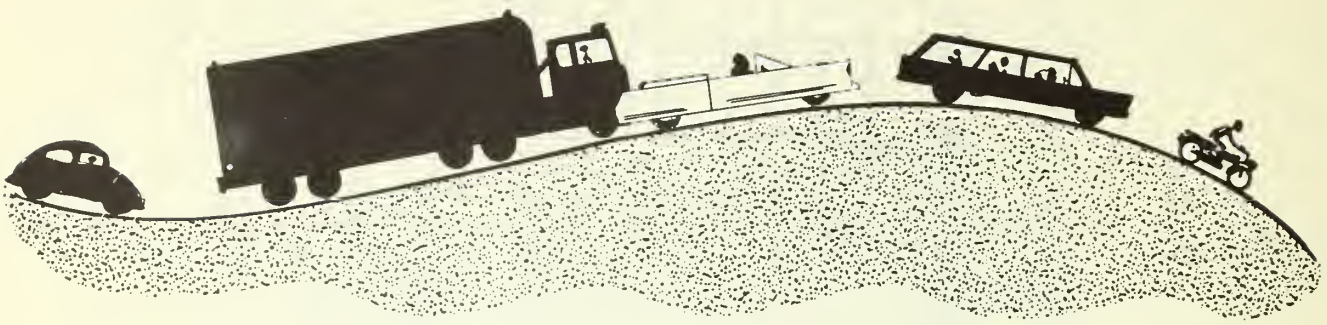


TABLE XVI

FATAL ACCIDENTS BY TYPE OF VEHICLE INVOLVED

TYPE OF VEHICLE INVOLVED	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
PASSENGER CARS	286	86.9	329	88.2
PASSENGER CAR AND TRAILER	2	0.6	3	0.8
TRUCK OR TRUCK TRACTOR	13	4.0	13	3.5
TRUCK TRACTOR AND SEMI-TRAILER	4	1.2	4	1.0
OTHER TRUCK COMBINATION	1	0.3	1	0.3
TAXI CAB	1	0.3	1	0.3
BUS	—	—	—	—
SCHOOL BUS	—	—	—	—
MOTORCYCLE	13	4.0	13	3.5
MOTOR SCOOTER OR MOTORBIKE	—	—	—	—
OTHER AND NOT STATED	9	2.7	9	2.4
EMERGENCY VEHICLES	—	—	—	—
MILITARY VEHICLES	—	—	—	—
OTHER PUBLICLY OWNED VEHICLES	—	—	—	—
TOTALS	329	100.00	373	100.00

TABLE XVII

FATAL ACCIDENTS

BY CLASSIFICATION

CLASSIFICATION OF MOTOR VEHICLE ACCIDENT COLLISION WITH:	NO. OF ACCIDENTS	NO. OF FATALITIES
MOTOR VEHICLE IN TRANSPORT	112	136
MOTOR VEHICLE ON OTHER ROADWAY	5	11
PARKED MOTOR VEHICLE	3	3
PEDESTRIAN	79	79
FIXED OBJECT	101	114
PEDALCYCLIST	5	5
OTHER	24	25
TOTALS	329	373

TABLE XVIII

INVOLVEMENT OF PASSENGER VEHICLES
IN FATAL ACCIDENTS AND FATALITIES

	NUMBER & % INVOLVEMENT IN FATAL ACCIDENTS		NUMBER & % INVOLVEMENT IN FATALITIES	
DOMESTIC CARS	NO.	%	NO.	%
BUICK	11	3.5	11	3.2
CADILLAC	6	1.9	8	2.3
CHEVROLET	54	17.6	61	17.8
CHRYSLER	8	2.6	9	2.6
DODGE	15	4.9	16	4.7
FORD	47	15.3	53	15.5
MERCURY	8	2.6	9	2.6
OLDSMOBILE	12	3.9	15	4.4
PLYMOUTH	24	7.8	31	9.1
PONTIAC	22	7.1	24	7.0
RAMBLER	8	2.6	9	2.6
MISC. AMERICAN	5	1.6	6	1.8
FOREIGN CARS				
AUSTIN HEALEY	3	0.9	3	0.9
RENAULT	—	—	—	—
TRIUMPH	1	0.3	1	0.3
VOLKSWAGEN	19	6.2	19	5.6
MISC. FOREIGN	19	6.2	20	5.9
UNREPORTED	46	15.0	47	13.7
TOTALS	308	100.00	342	100.00

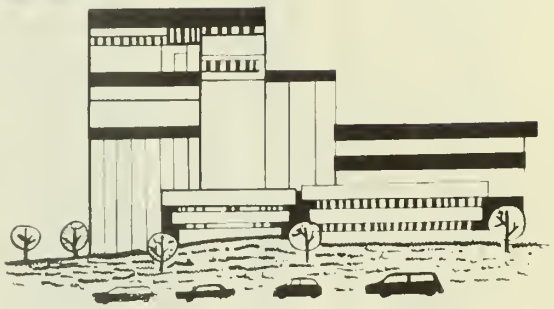


TABLE XIX

LOCATION BY CITY/TOWN POPULATION GROUPS

GROUP NO.	POPULATION 1965 CENSUS	NO. OF ACCIDENTS	NO. OF FATALITIES
1	OVER 500,000	10	10
2	100,000 – 250,000	17	17
3	50,000 – 100,000	29	34
4	25,000 – 50,000	63	73
5	10,000 – 25,000	109	119
6	5000 – 10,000	52	63
7	1000 – 5000	45	53
8	UNDER – 1000	4	4
	TOTALS	329	373

TABLE XX

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	URBAN																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UNDIVIDED HIGHWAY						TWO LANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	6	14			1	1					16	17					7	9
REAR END	7	8			1	3					2	2					1	1
OVERTAKING & PASSING	5	6			2	2					1	1					2	2
DRIVING OFF ROADWAY	35	36			2	3					11	12					17	18
PEDESTRIAN	27	27			13	13					16	16					10	10
LEFT & U TURNS					1	2					6	7					3	3
RIGHT TURNS & CROSS MOVEMENTS					1	1					2	2					4	5
UNCLASSIFIED	1	1			1	1					1	1					5	5
TOTALS	81	92			22	26					55	58					49	53

TOTAL URBAN ACCIDENTS	207

TABLE XXI

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	RURAL *																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UND. HIGHWAY						TWOLANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	2	4			2	2					2	4					20	28
REAR END	4	4									2	2					2	2
OVERTAKING & PASSING																		
DRIVING OFF ROADWAY	17	19			2	2					8	12					28	31
PEDESTRIAN	4	4			1	1					4	4					9	9
LEFT & U TURNS																	7	7
RIGHT TURNS & CROSS MOVEMENTS											1	2					3	3
UNCLASSIFIED	3	3															1	1
TOTALS	30	34			5	5					17	24					70	81

TOTAL RURAL ACCIDENTS	122

TOTAL URBAN-RURAL ACCIDENTS	329

DO NOT
ENTER

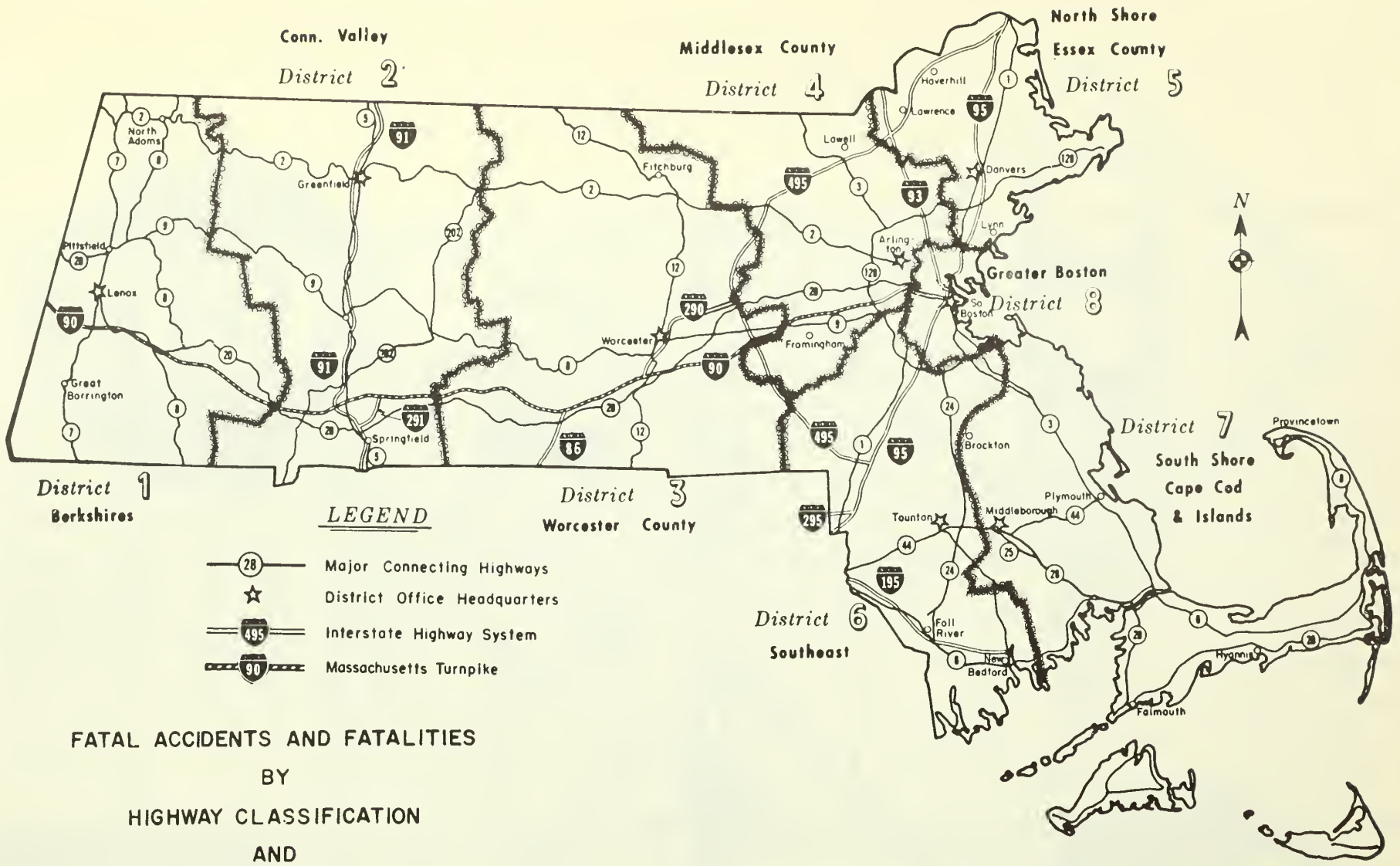
STOP

YIELD

TABLE XXII

LOCATION BY ROUTE NUMBER

ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES
1	13	17	18	3	3	88	2	2	140	8	9
1A	8	8	20	15	17	I91	8	8	146	2	2
C·1	1	3	24	9	12	I-93	8	10	159	1	1
2	17	22	25	5	5	I-95	12	12	I-195	6	6
2A	7	7	28	20	20	110	7	9	202	5	7
3	9	11	28A	1	1	114	5	5	I-290	4	4
3A	14	17	30	2	2	116	3	3	I-291	1	1
5	3	3	33	2	3	119	1	1	I-495	13	14
6	14	17	37	1	1	122	3	3	MISC.	11	11
6A	3	3	38	1	1	123	2	2	S.E.X.	9	10
7	8	12	44	1	1	127	2	2	N.E.X.	1	1
8	2	2	53	4	4	128	11	14			
9	12	14	57	1	1	131	2	2			
10	3	3	67	1	1	133	2	2			
12	4	5	85	1	1	138	9	9			
16	3	3	I-86	1	1	139	2	2			

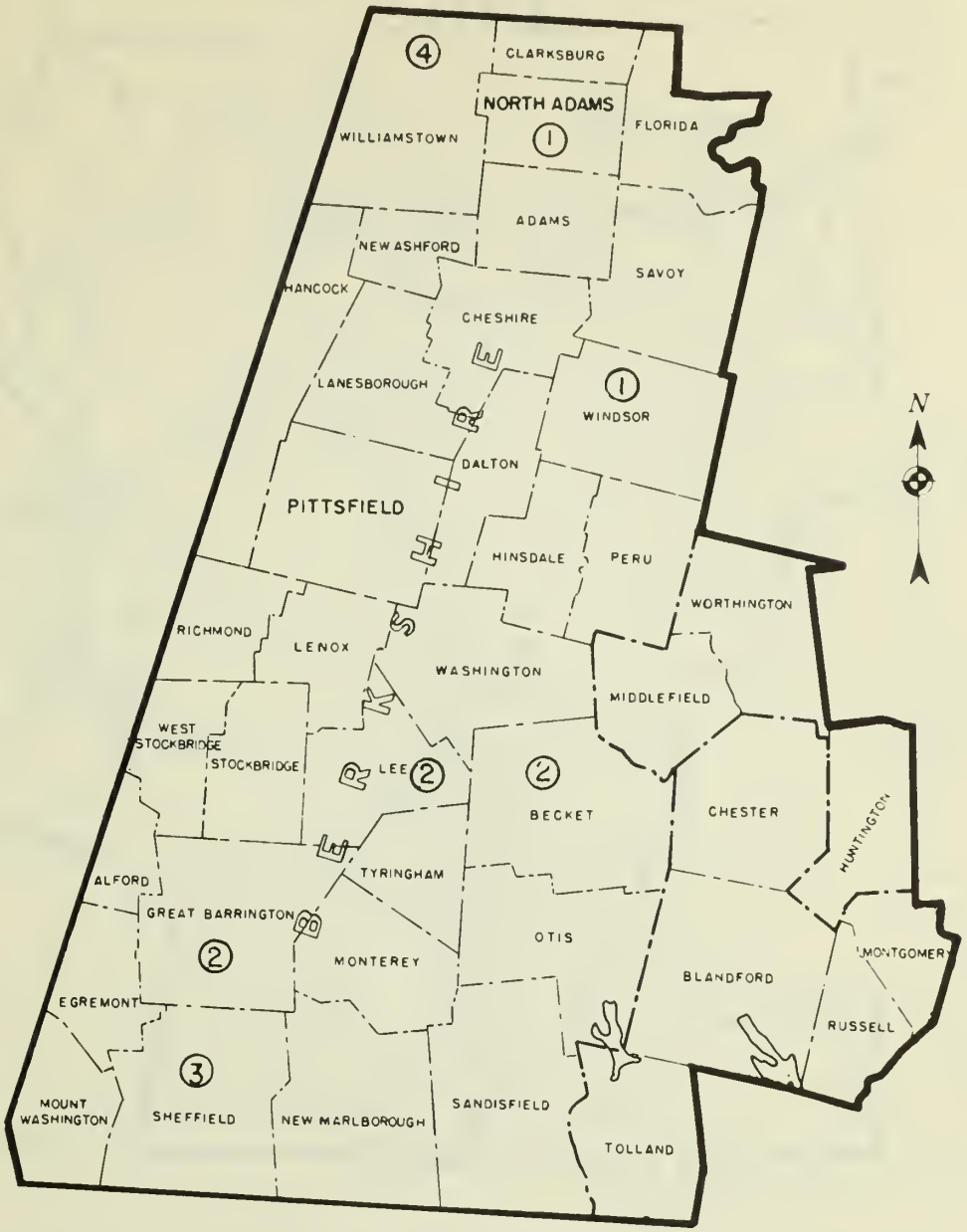


FATAL ACCIDENTS AND FATALITIES BY HIGHWAY CLASSIFICATION AND DISTRICT

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
INTERSTATE	51	54
PRIMARY	235	275
SECONDARY	32	33
MISCELLANEOUS	11	11
TOTALS	329	373

DISTRICT FATALITIES			
1	19	5	34
2	37	6	77
3	52	7	62
4	58	8	34
TOTALS		373	

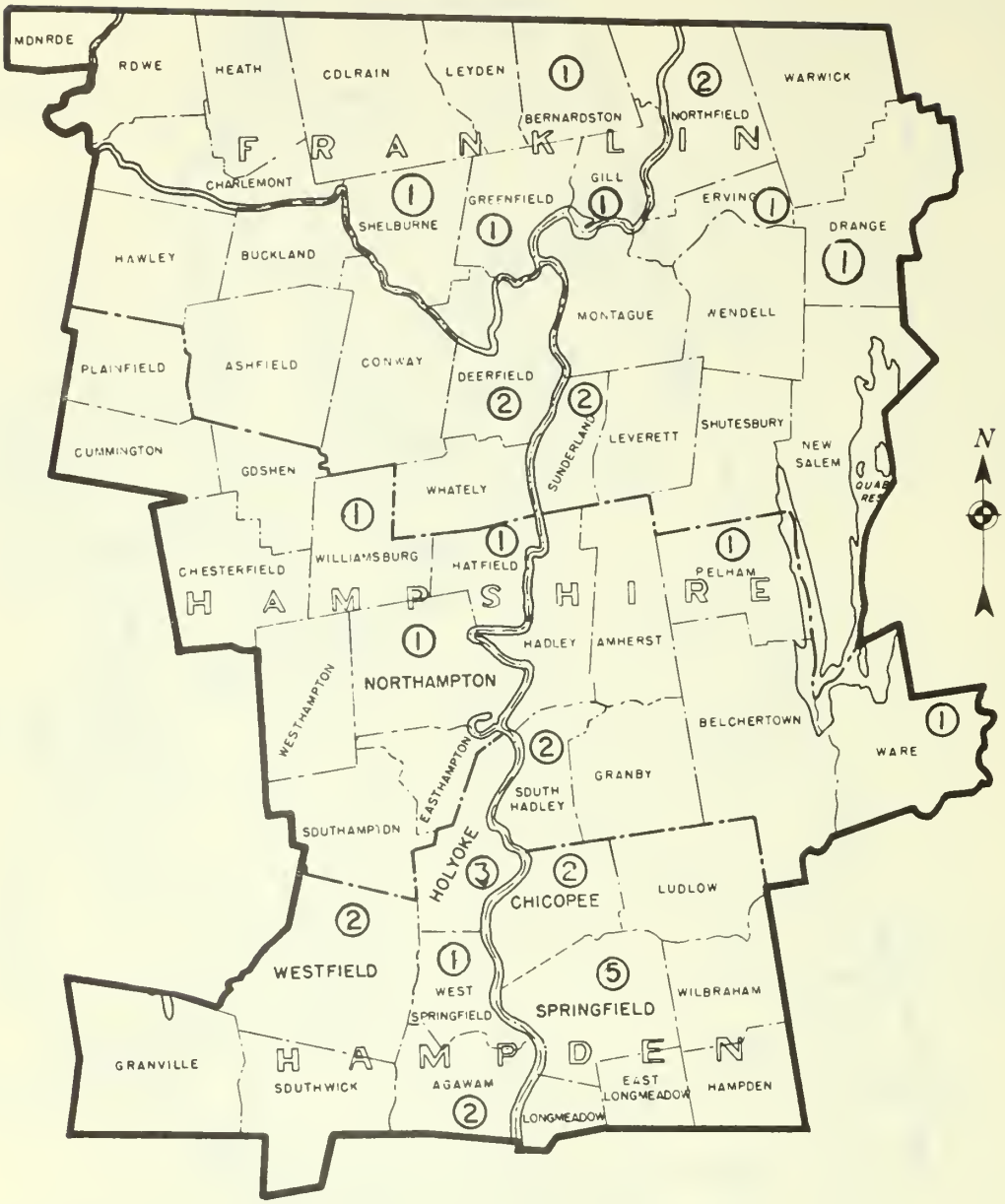
DISTRICT 1



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F.A. INTERSTATE	—	—
F.A. PRIMARY	15	19
F.A. SECONDARY	—	—
MISCELLANEOUS	—	—
TOTALS	15	19

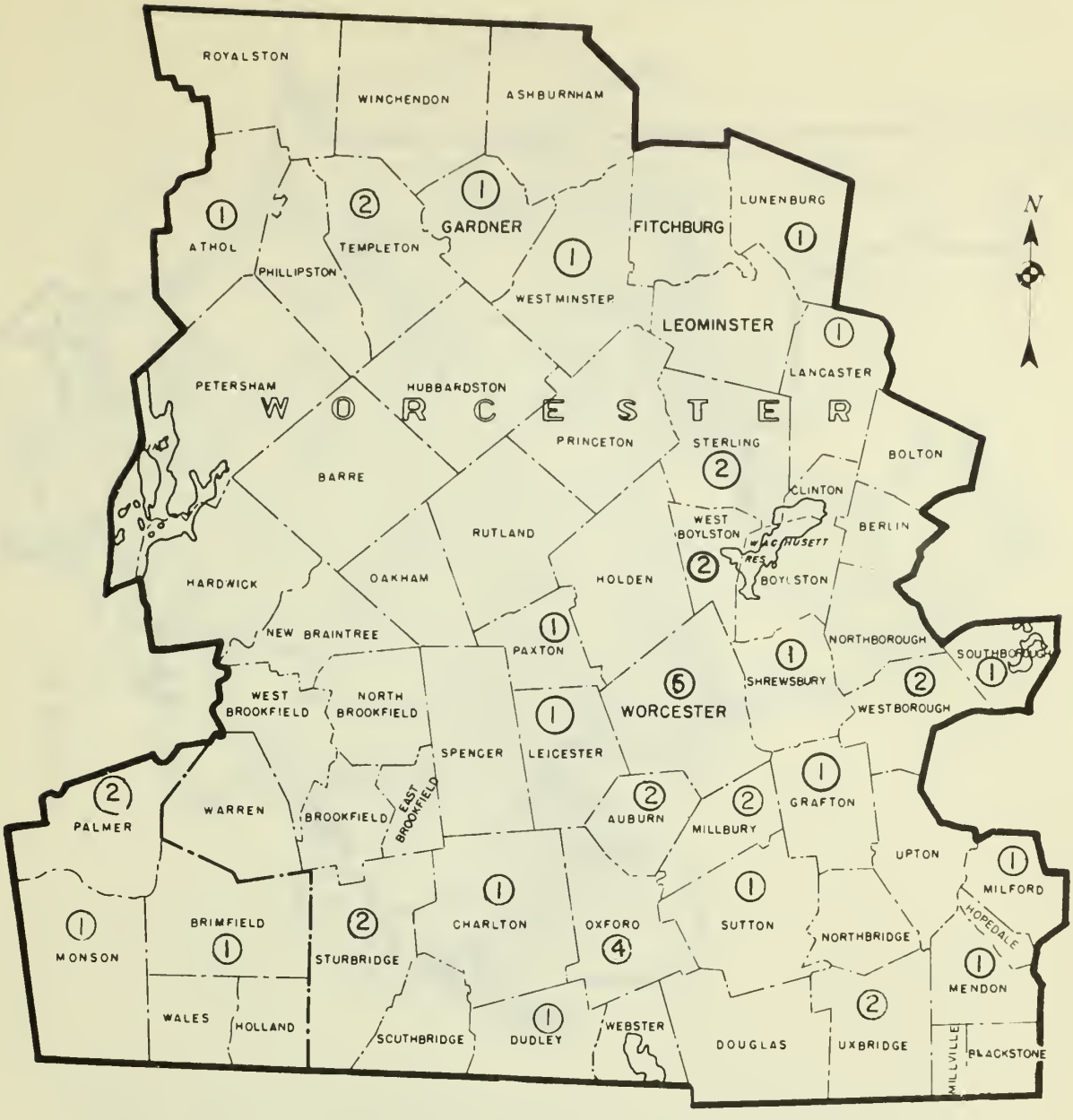
DISTRICT 2



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	10	10
F. A. PRIMARY	20	23
F. A. SECONDARY	4	4
MISCELLANEOUS		
TOTALS	34	37

DISTRICT 3



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	5	5
F. A. PRIMARY	32	39
F. A. SECONDARY	7	7
MISCELLANEOUS	1	1
TOTALS	45	52

DISTRICT 4

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

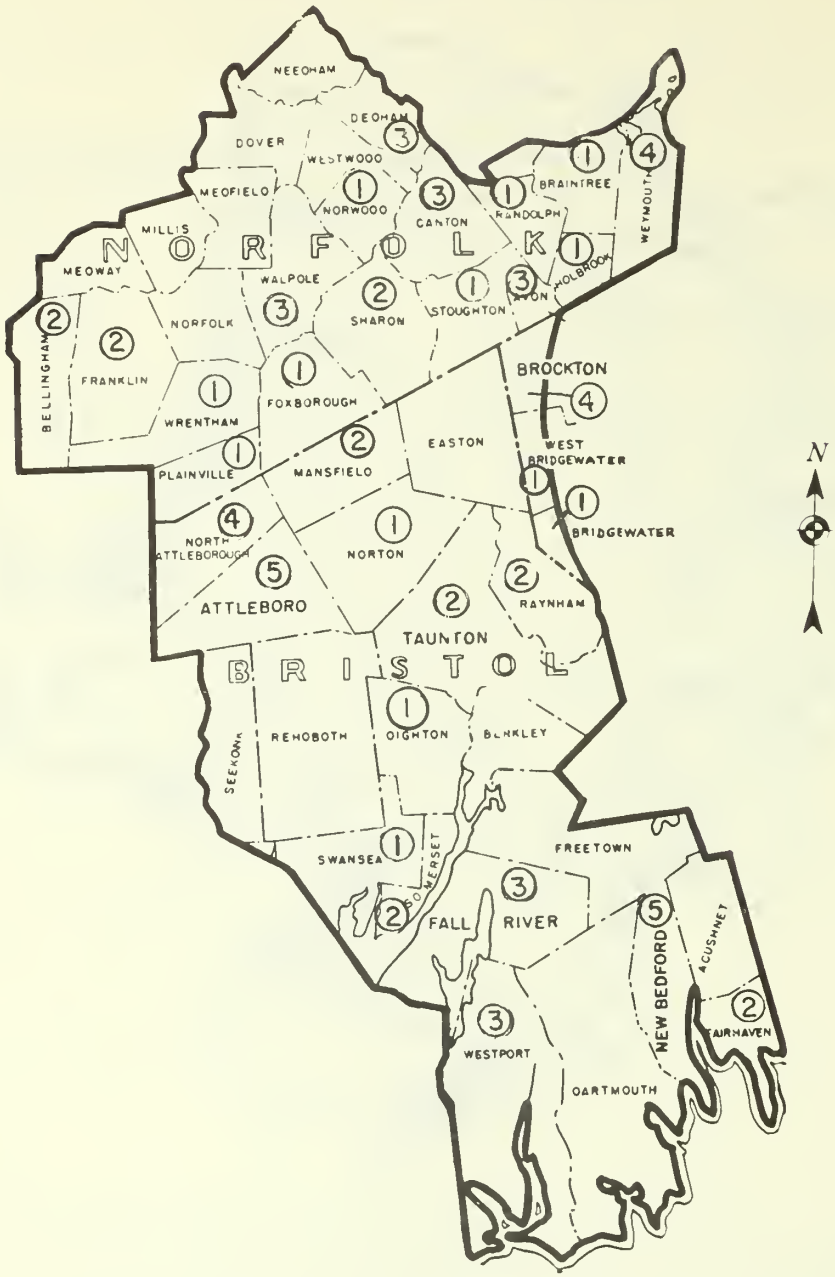
HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	9	11
F. A. PRIMARY	34	42
F. A. SECONDARY	4	4
MISCELLANEOUS	1	1
TOTALS	48	58

DISTRICT 5

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	9	9
F. A. PRIMARY	18	18
F. A. SECONDARY	6	7
MISCELLANEOUS		
TOTALS	33	34

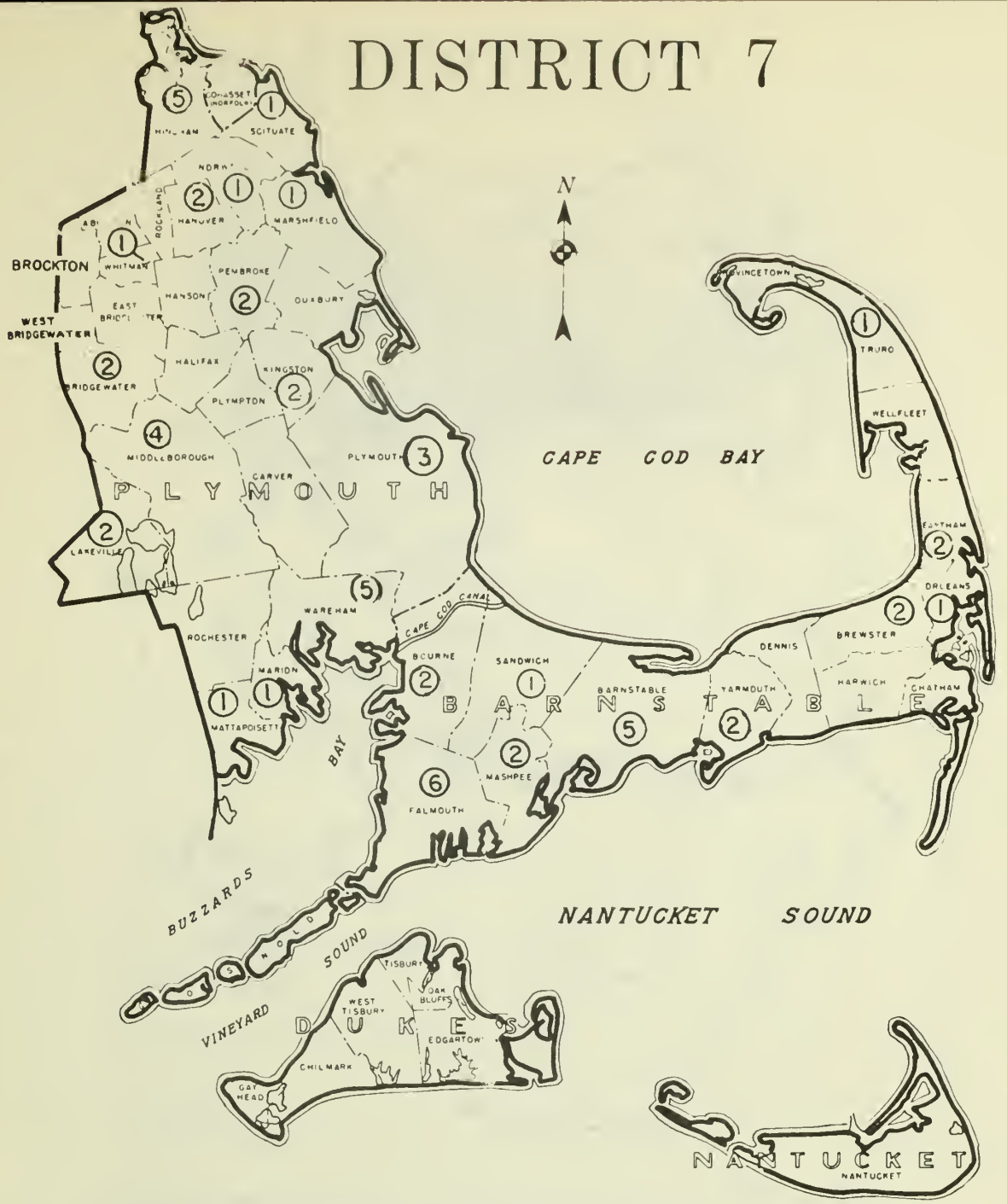
DISTRICT 6



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F.A. INTERSTATE	18	19
F.A. PRIMARY	42	50
F.A. SECONDARY	4	4
MISCELLANEOUS	4	4
TOTALS	68	77

DISTRICT 7



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	—	—
F. A. PRIMARY	51	56
F. A. SECONDARY	5	5
MISCELLANEOUS	1	1
TOTALS	57	62

DISTRICT 8

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	—	—
F. A. PRIMARY	23	28
F. A. SECONDARY	2	2
MISCELLANEOUS	4	4
TOTALS	29	34

A.G.

TABLE XXIII

1971 HOLIDAY WEEKENDS

HOLIDAY	NO. OF ACCIDENTS	NO. OF FATALITIES
NEW YEARS DEC.31-JAN.3	4	4
WASHINGTONS BIRTHDAY FEB.14-16	2	2
PATRIOTS DAY APR.18-21	5	6
MEMORIAL DAY MAY 30-JUNE 2	3	4
INDEPENDENCE DAY JULY 3-6	7	9
LABOR DAY SEPT. 5-8	2	2
COLUMBUS DAY OCT. 10-13	7	7
VETERANS DAY OCT. 24-27	6	7
CHRISTMAS DEC. 24-26	8	11

NUMBER OF PASSENGER VEHICLES & FATALITIES INVOLVED IN SEAT BELT USE — 1971	
NUMBER OF VEHICLES EQUIPPED WITH SEAT BELTS	111
NUMBER OF VEHICLES NOT EQUIPPED WITH SEAT BELTS	43
UNKNOWN	125
	FATALITIES
SEAT BELTS IN USE	12
SEAT BELTS NOT IN USE	96
NOT EQUIPPED	43
UNKNOWN	113

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1972

STATE HIGHWAY

FATAL MOTOR VEHICLE ACCIDENTS

MASSACHUSETTS
DEPARTMENT OF
PUBLIC WORKS
TRAFFIC
SECTION

STATE HIGHWAY
FATAL MOTOR VEHICLE ACCIDENTS
1972

BUREAU OF TRAFFIC OPERATIONS

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

BRUCE CAMPBELL
COMMISSIONER

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CHIEF ENGINEER

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DEPUTY CHIEF ENGINEER
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REGISTRAR

PUBLICATION NO. 717 APPROVED BY
ALFRED C. HOLLAND, STATE PURCHASING AGENT

FOREWORD

SEVENTH ANNUAL REPORT

This publication is a reflection of the growing concern over traffic deaths and of the efforts expended in researching their causes and cures.

The Traffic Engineering Section of the Bureau of Traffic Operations wishes to acknowledge the contributions of the Registry of Motor Vehicles, other Sections of the Department of Public Works and local Police Departments for their assistance in the preparation of this report which represents only one facet of the Accident Records and Surveillance System established within the Department.

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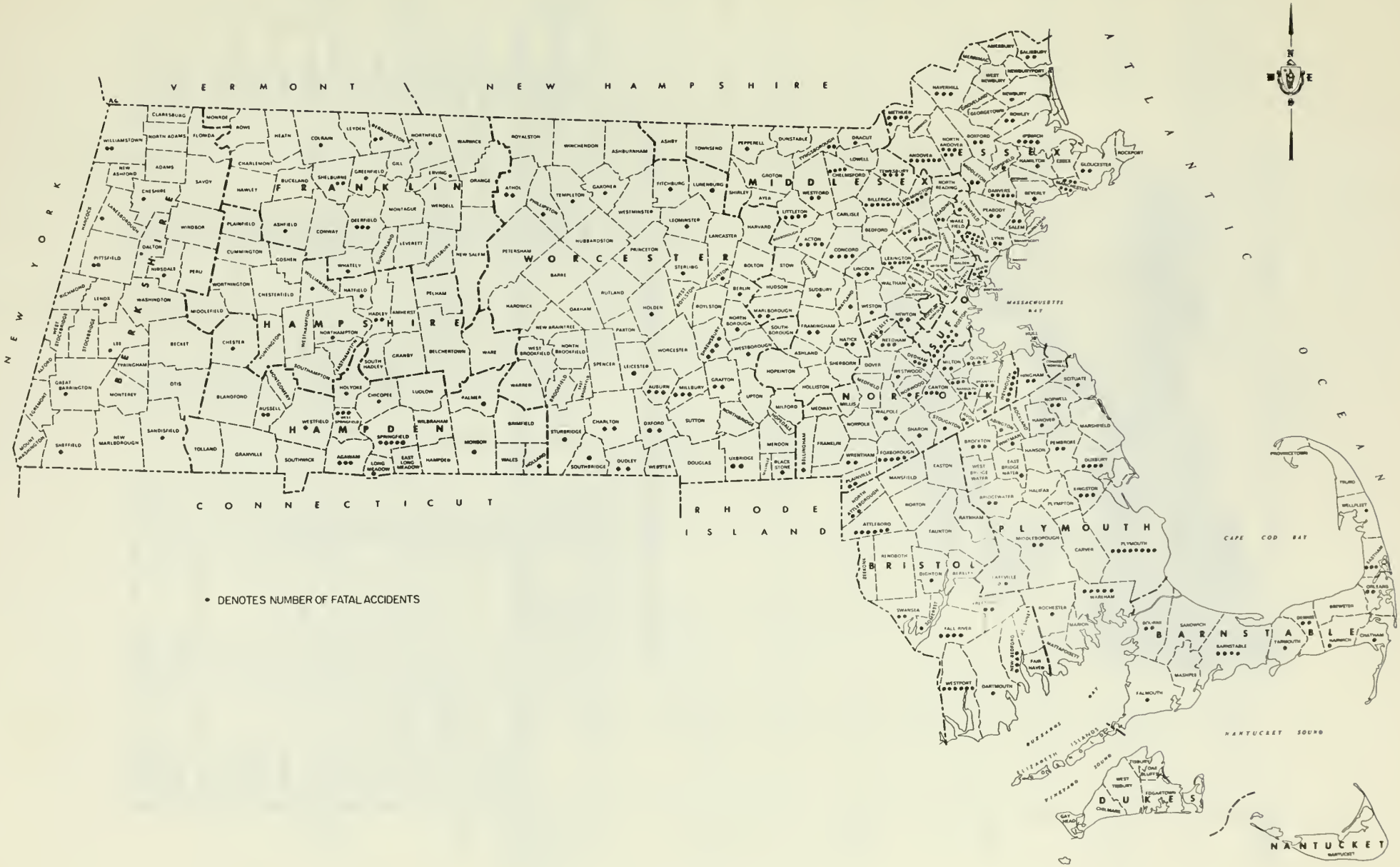

VERMONT
NEW HAMPSHIRE
NEW YORK
CONNECTICUT
RHODE ISLAND
ATLANTIC OCEAN
MASSACHUSETTS BAY
CAPE COD BAY
NANTUCKET SOUND
BERKSHIRE
FRANKLIN
HAMPSHIRE
HAMPDEN
WORCESTER
MIDDLESEX
ESSEX
SUFFOLK
NORFOLK
PLYMOUTH
BRISTOL
BARNSTABLE
DUKES
NANTUCKET
• DENOTES NUMBER OF FATAL ACCIDENTS

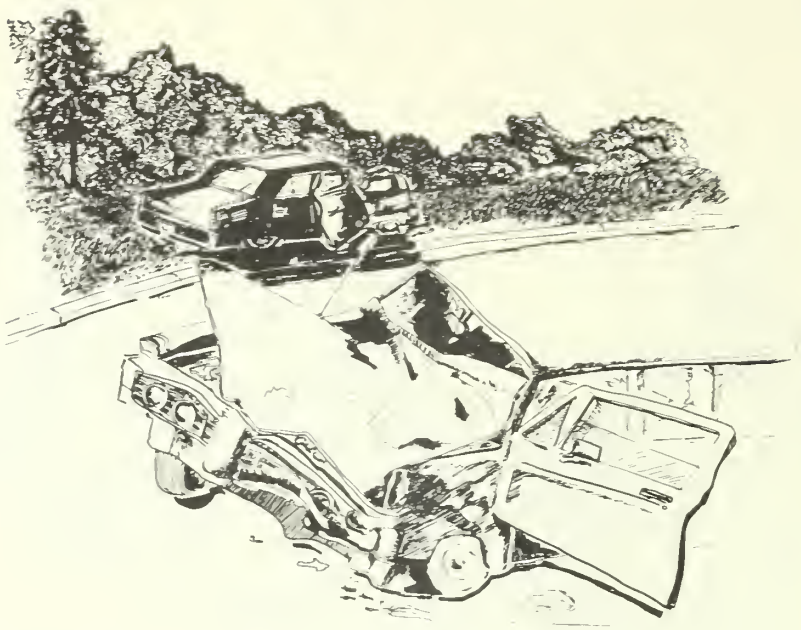


TABLE I

FATAL ACCIDENT AND FATALITY RATE BY YEAR

YEAR	VEHICLEMILES OF TRAVEL (IOOMILLION)	NUMBER OF FATAL ACCIDENTS	FATAL ACCIDENT RATE	NUMBER OF FATALITIES	FATALITY RATE
1962	63.4	222	3.50	243	3.83
1963	65.7	221	3.36	250	3.80
1964	68.4	252	3.70	275	4.04
1965	70.9	278	3.92	315	4.44
1966	73.9	302	4.09	337	4.56
1967	90.5	286	3.16	345	3.81
1968	93.3	308	3.30	343	3.68
1969	118.71	287	2.42	319	2.69
1970	123.8	313	2.53	351	2.82
1971	130.3	327	2.51	373	2.86
1972	136.4	378	2.77	431	3.16

GRAPH I

VEHICLE TRAVEL vs. DEATHS and DEATH RATES

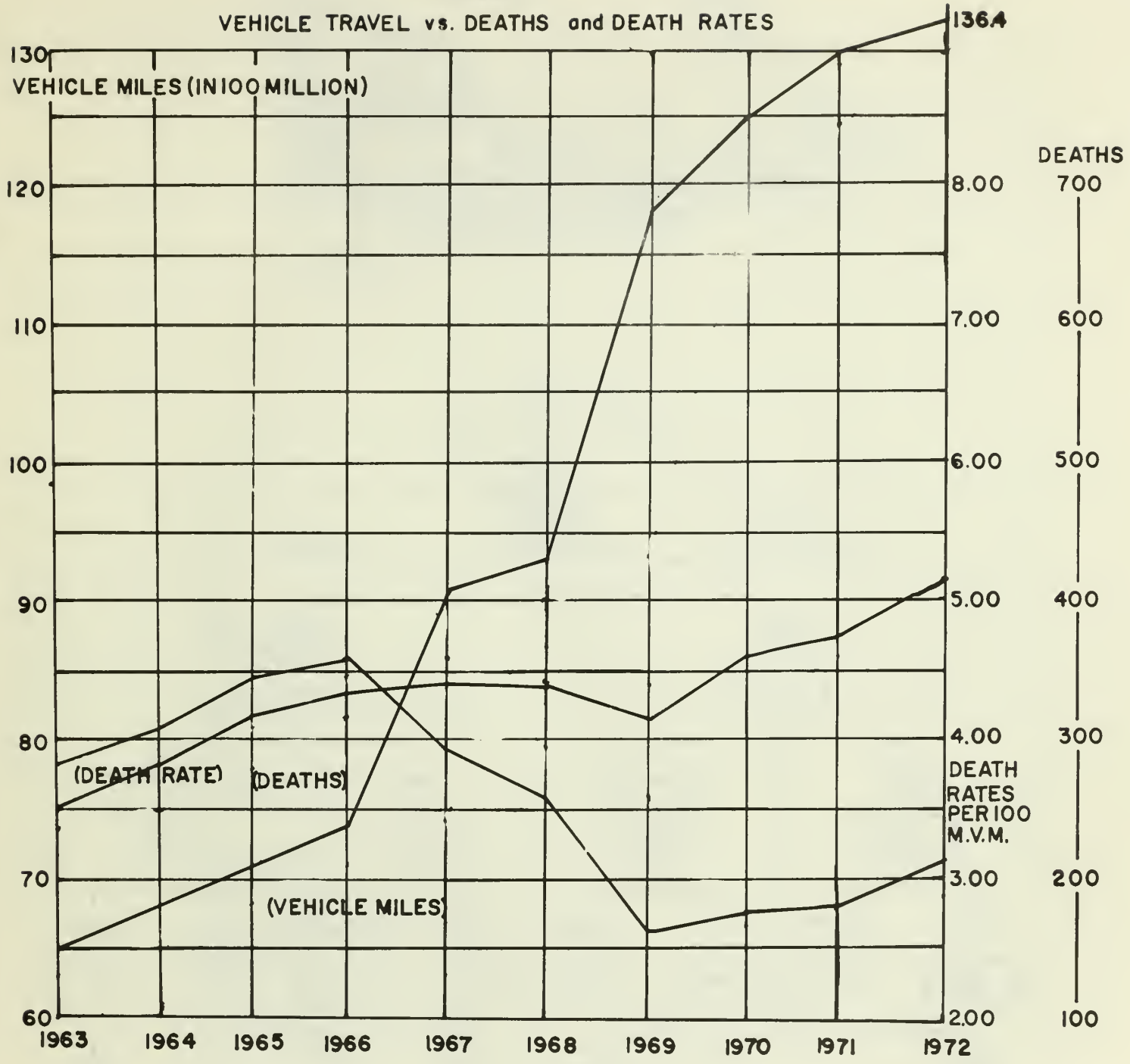


TABLE II

PRINCIPAL CLASSES OF MOTOR VEHICLE DEATHS

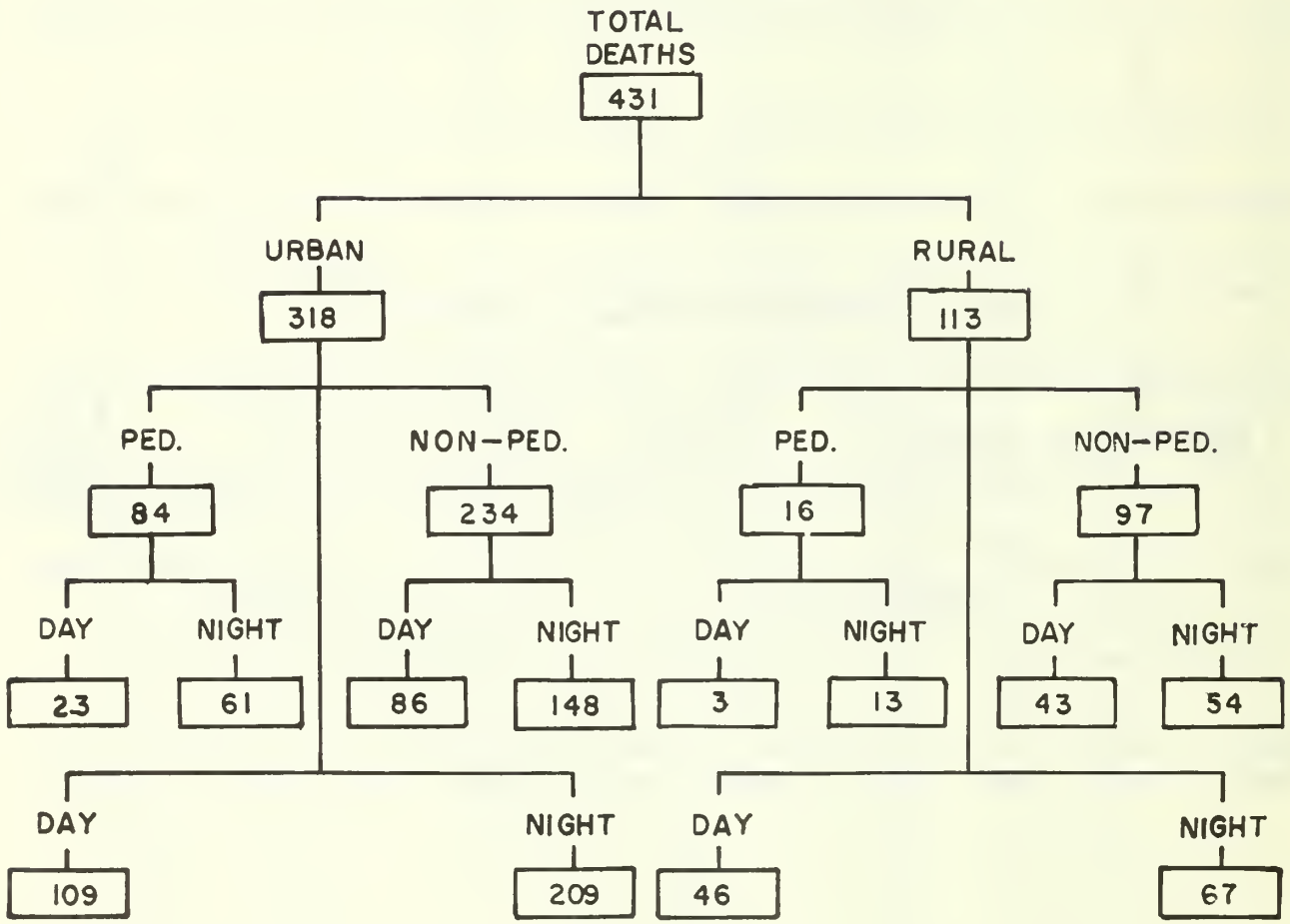


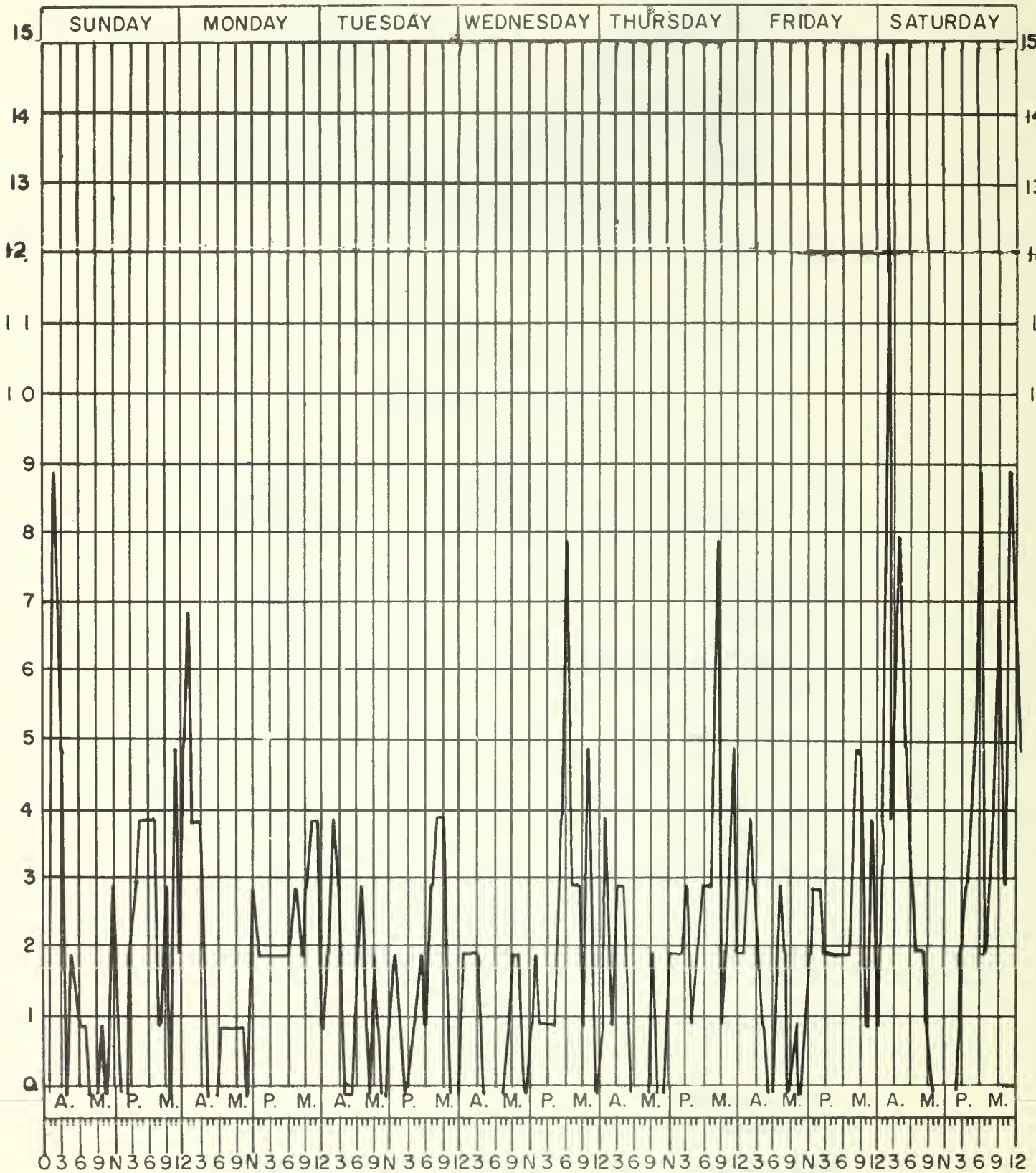
TABLE III

1972 HOLIDAY WEEKENDS

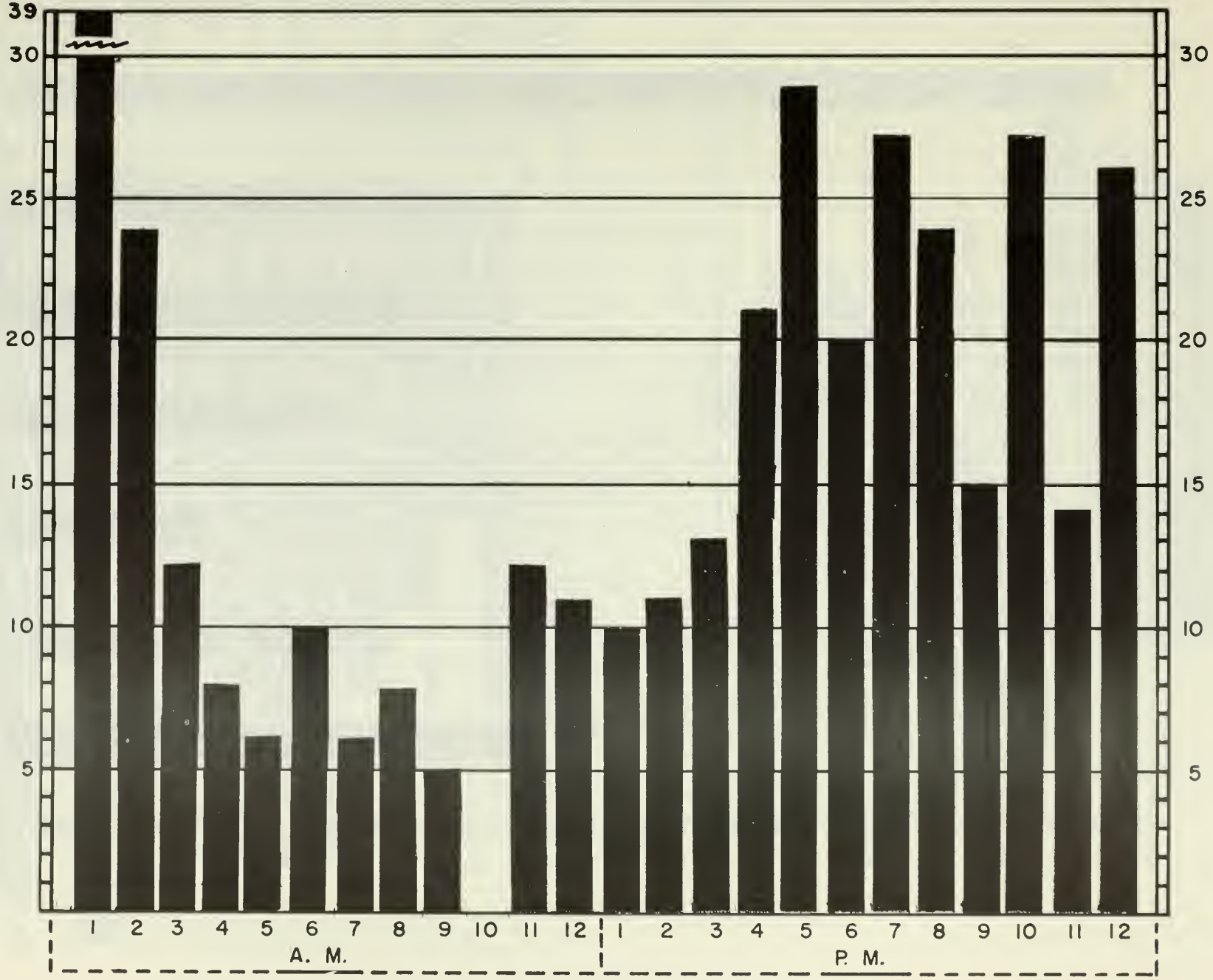
HOLIDAY	NO. OF ACCIDENTS	NO. OF FATALITIES
NEW YEARS DEC. 29 - JAN. 1	2	2
WASHINGTONS BIRTHDAY FEB. 18 - 21	1	1
PATRIOTS DAY APR. 14 - 17	2	2
MEMORIAL DAY MAY 26 - 29	7	7
INDEPENDENCE DAY JULY 1 - 4	3	3
LABOR DAY SEPT. 1 - 4	8	10
COLUMBUS DAY OCT. 6 - 9	4	7
VETERANS DAY OCT. 20 - 23	9	9
CHRISTMAS DEC. 22 - 25	11	13

GRAPH II

FATAL ACCIDENTS BY HOUR OF THE DAY

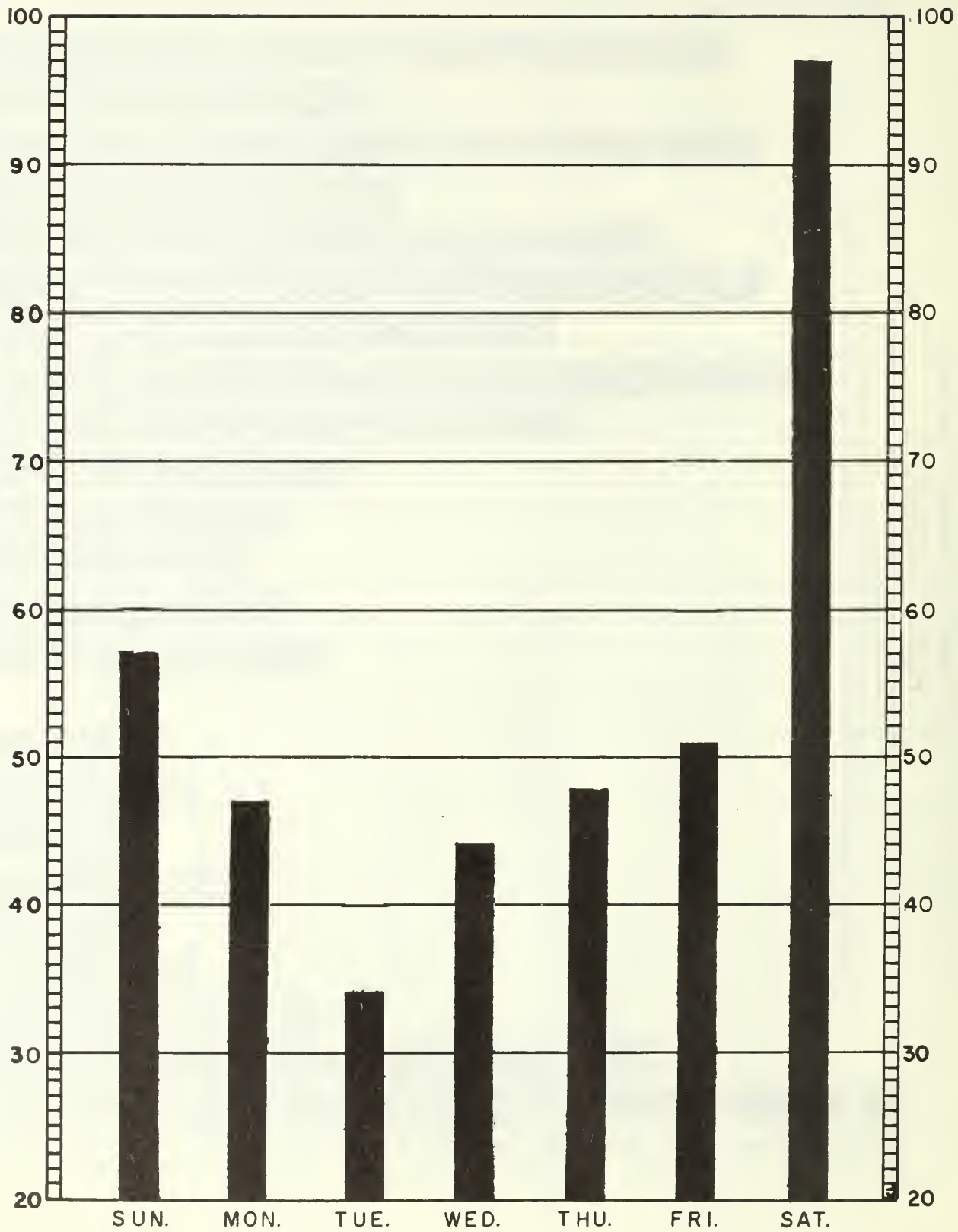


GRAPH III
ACCIDENTS BY HOUR OF THE DAY
(YEARLY AVERAGE)



GRAPH IV

FATAL ACCIDENTS BY DAY OF WEEK



GRAPH V

FATAL ACCIDENTS BY MONTH OF THE YEAR

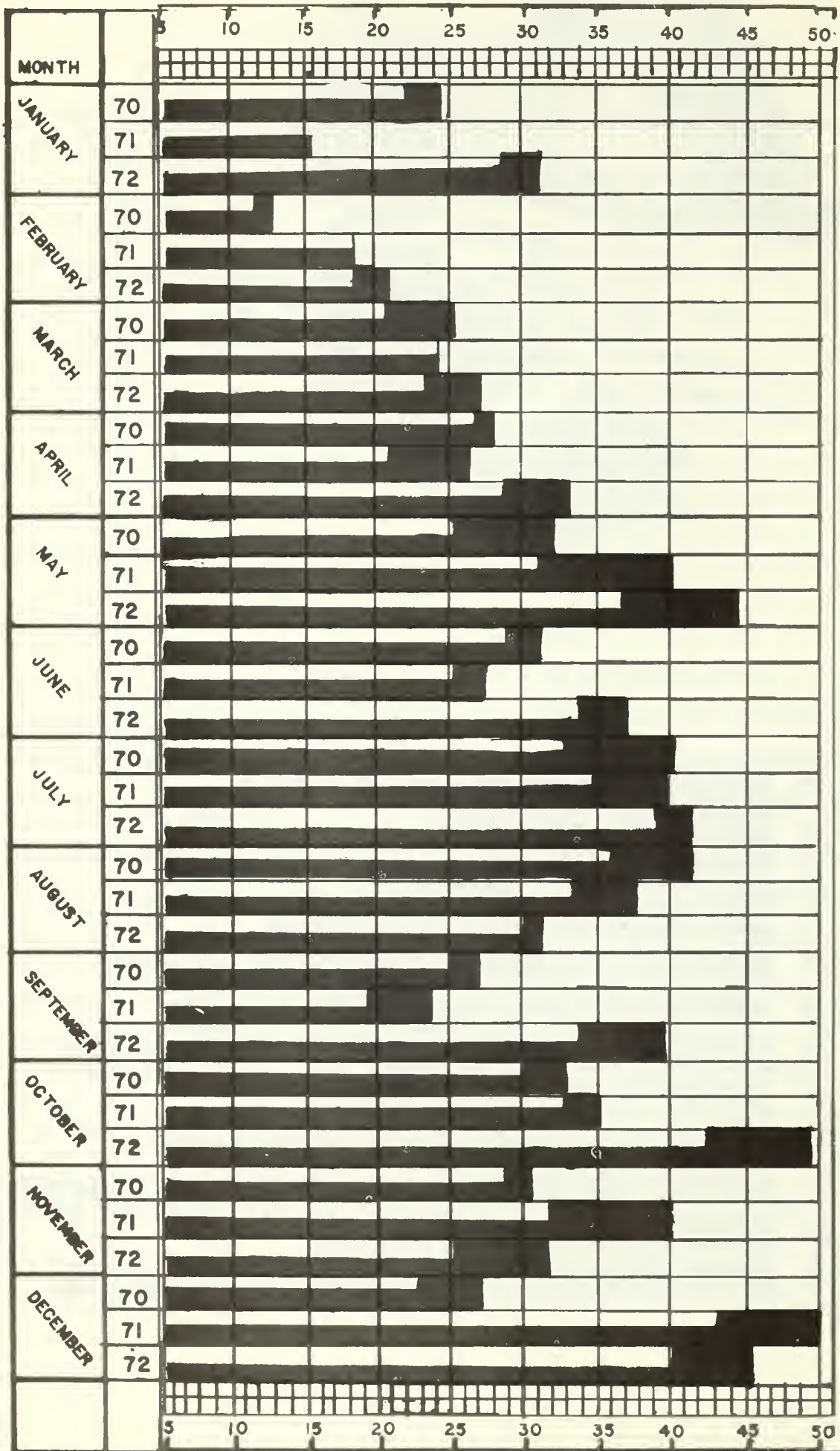
MONTH	FATAL ACCIDENTS PER MONTH
JANUARY	29
FEBRUARY	18
MARCH	23
APRIL	28
MAY	37
JUNE	33
JULY	39
AUGUST	30
SEPTEMBER	33
OCTOBER	43
NOVEMBER	25
DECEMBER	40
TOTAL	378

5 10 15 20 25 30 35 40

GRAPH VI

FATAL ACCIDENTS AND FATALITIES

BY MONTH AND YEAR



NUMBER OF	
ACCIDENTS	FATALITIES

1970 TOTALS	
ACCIDENTS	FATALITIES
313	351

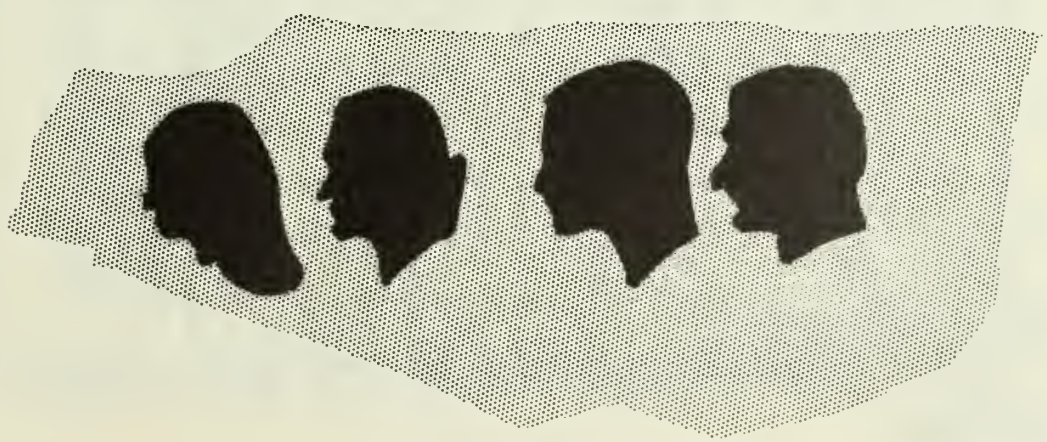
1971 TOTALS	
ACCIDENTS	FATALITIES
329	373

1972 TOTALS	
ACCIDENTS	FATALITIES
378	431

TABLE IV

FATALITIES BY AGE AND SEX OF VICTIM

FATALITY AGE	SUM TOTALS	% OF TOTAL	DRIVERS		PEDESTRIAN		PASSENGERS	
			M	F	M	F	M	F
0–4	6	1.4				1	3	2
5–9	8	1.9			6	2		
10–14	16	3.7			4	5	5	2
15–19	66	15.3	23	4	11	5	13	10
20–24	67	15.6	33	5	4	1	13	11
25–34	72	16.7	35	12	11	1	9	4
35–44	51	11.8	25	6	9		6	5
45–54	46	10.7	17	6	8	3	2	10
55–64	44	10.2	21	5	8	3	1	6
65–74	29	6.7	8	5	6	3	2	5
75-over	26	6.0	7	2	6	3	1	7
TOTAL	431	100	169	45	73	27	55	62



GRAPH VII

AGE OF DRIVERS INVOLVED IN FATAL ACCIDENTS

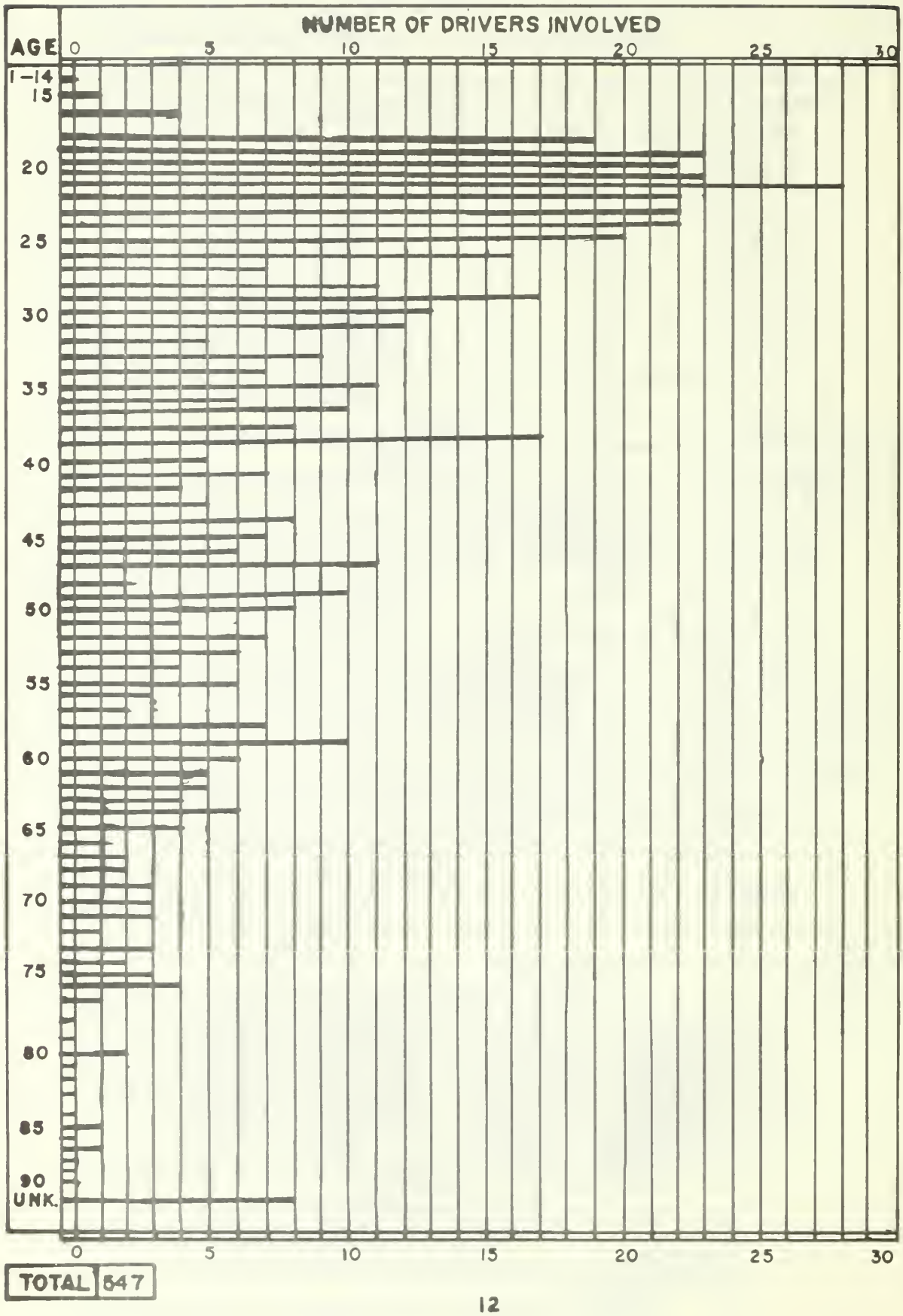


TABLE V

RESIDENCE OF DRIVERS

INVOLVED IN FATAL ACCIDENTS

ACCIDENT INVOLVING:	NO. OF DRIVERS	% OF TOTAL
LOCAL RESIDENT	418	76.4
RESIDENT ELSEWHERE IN STATE	45	8.2
OUT OF STATE RESIDENT	75	13.7
UNKNOWN	9	1.7
TOTAL	547	100

TABLE VI

SEX OF DRIVERS

INVOLVED IN FATAL ACCIDENTS

SEX	NO. OF DRIVERS	% OF TOTAL
MALE	439	80.2
FEMALE	100	18.3
UNREPORTED	8	1.5
TOTAL	547	100

TABLE VII

FATAL ACCIDENTS BY LIGHT CONDITIONS

LIGHT CONDITION	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DAYLIGHT	131	34.7	151	35.0
DAWN OR DUSK	20	5.3	22	5.1
DARKNESS	227	60.0	258	59.9
NOT STATED	—	—	—	—
TOTALS	378	100	431	100

TABLE VIII

FATAL ACCIDENTS BY WEATHER CONDITIONS

WEATHER	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
CLEAR	231	61.1	258	59.8
CLOUDY	58	15.3	68	15.8
FOG	9	2.4	9	2.1
RAIN	63	16.7	77	17.9
SLEET	4	1.1	4	0.9
SNOW	13	3.4	15	3.5
TOTALS	378	100	431	100

TABLE IX

FATAL ACCIDENTS BY SURFACE CONDITION

CONDITION OF ROAD SURFACE	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
DRY	263	69.6	297	68.9
WET	92	24.3	105	24.4
SNOWY	8	2.1	10	2.3
ICY	15	4.0	19	4.4
OTHER	—	—	—	—
TOTAL	378	100	431	100

TABLE X

FATAL ACCIDENTS

BY TYPE OF COLLISION ACCIDENTS

TYPE OF MV ACCIDENT	NO. OF ACCIDENTS	NO. OF FATALITIES
OVERTURNED	3	3
ANGLE	63	79
REAR END	25	29
HEAD-ON	55	75
RAN OFF ROADWAY (H.F.O.)	124	135
GENERAL (NO COLLISION)+PEDESTRIAN	108	110
ANIMAL	-	-
TOTALS	378	431

TABLE XI

FATAL ACCIDENTS

BY VEHICLE ACTION

-COLLISION AT INTERSECTION-

COLLISION OF TWO OR MORE VEHICLES IN TRAFFIC AT AN INTERSECTION	NUMBER OF ACCIDENTS	NUMBER OF FATALITIES
ENTERING FROM SAME DIRECTION:		
Both Going Straight	2	2
One Turn, One Straight	—	—
One Stopped	1	1
All Others	—	—
ENTERING FROM OPPOSITE DIRECTION:		
Both Going Straight	6	6
One Turn, One Straight	5	7
One Stopped	—	—
All Others	2	3
ENTERING INTERSECTION:		
At Angle	25	31
At Rotary	—	—
At On-Ramp	—	—
At Off-Ramp	—	—
TOTALS	41	52

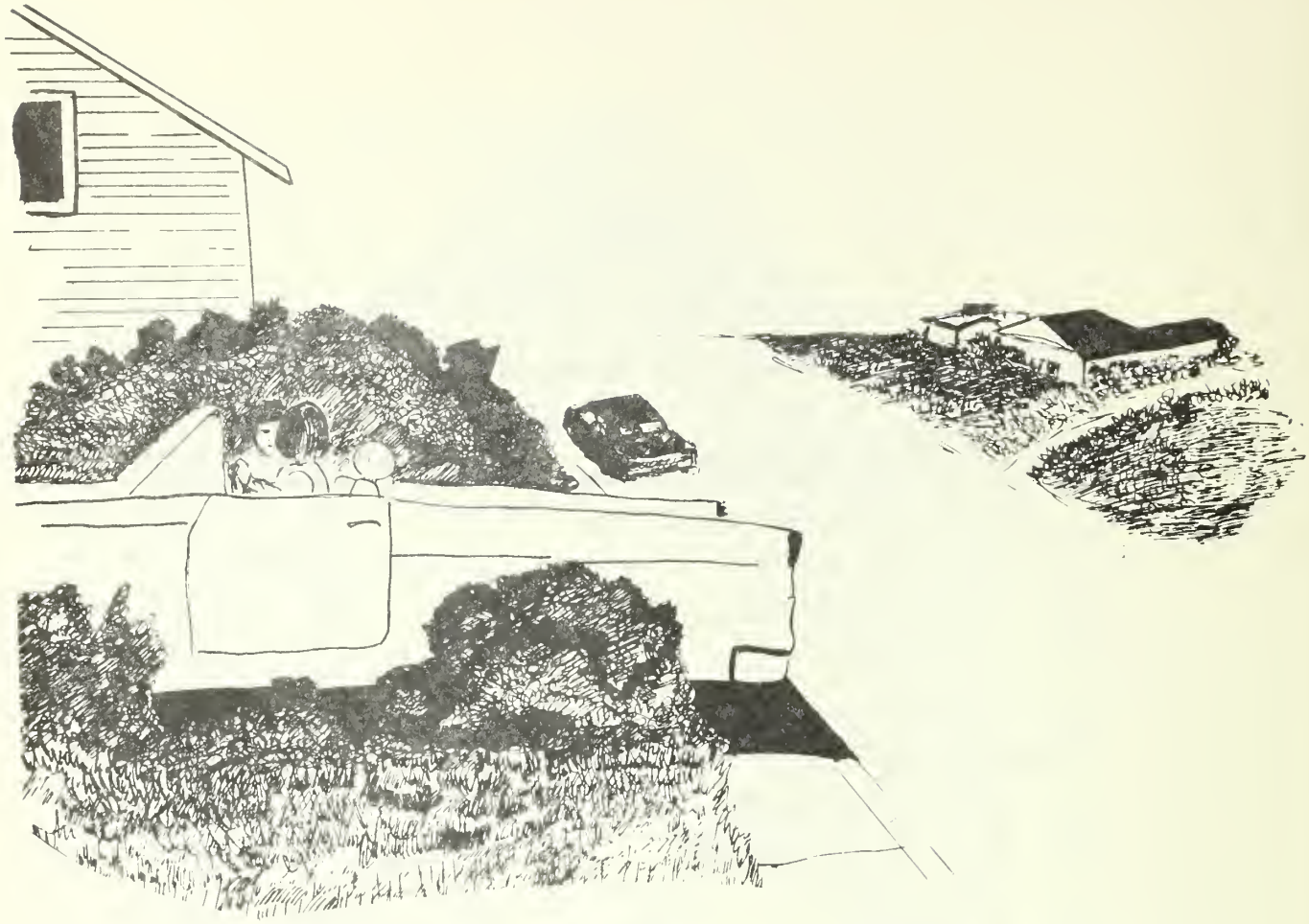


TABLE XII

FATAL ACCIDENTS BY VEHICLE ACTION

COLLISION NOT AT INTERSECTION

COLLISION OF TWO OR MORE MOTOR VEHICLES IN TRAFFIC NOT AT INTERSECTION	NO. OF ACCIDENTS	NO. OF FATALITIES
GOING OPPOSITE DIRECTION—BOTH MOVING	69	91
GOING SAME DIRECTION—BOTH MOVING	20	24
ONE VEHICLE PARKED	4	6
ONE VEHICLE STOPPED IN TRAFFIC	—	—
ONE VEHICLE ENTERING PARKED POSITION	—	—
ONE VEHICLE LEAVING PARKED POSITION	—	—
ONE VEHICLE ENTERING ALLEY OR DRIVEWAY	3	3
ONE VEHICLE LEAVING ALLEY OR DRIVEWAY	2	2
ALL OTHERS	4	5
TOTAL NOT AT INTERSECTION	102	131

TABLE XIII

FATAL ACCIDENTS AND FATALITIES BY
CONTRIBUTING CIRCUMSTANCES

CONTRIBUTING CIRCUMSTANCES INDICATED	NO. OF ACCIDENTS	NO. OF FATALITIES
ALCOHOL INVOLVED	47	55
SPEED TOO FAST FOR CONDITIONS	77	87
FAILED TO YIELD RIGHT OF WAY	16	22
IMPROPER OVERTAKING AND/OR PASSING	1	1
WRONG WAY DRIVING	5	8
DROVE LEFT OF CENTER (ON WRONG SIDE OF ROAD, NOT OVERTAKING)	16	23
FAILED TO GIVE PROPER SIGNAL	—	—
IMPROPER TURNING MOVEMENT	6	6
OPERATING UNREGISTERED – UNINSURED VEHICLE	—	—
DISREGARDED WARNING OR STOP SIGN	4	4
DISREGARDED TRAFFIC SIGNAL	1	1
OTHER IMPROPER DRIVING	55	65
LEAVING SCENE OF ACCIDENT	7	8
NO VIOLATION	69	72
NOT STATED	74	79

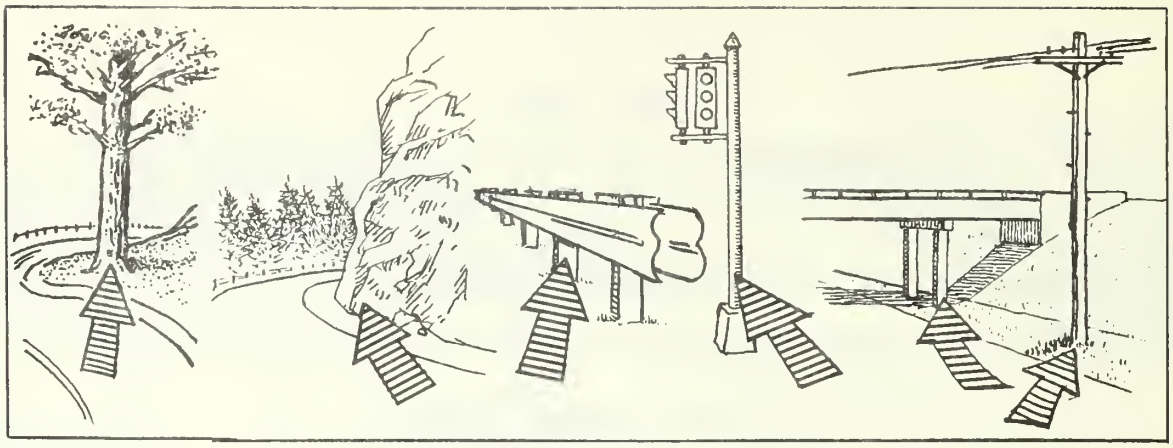


TABLE XIV

FATAL ACCIDENTS INVOLVING FIXED OBJECTS

OBJECT INVOLVED	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
BRIDGE ABUTMENT & PIER	13	10.5	14	10.4
BRIDGE RAILING	—	—	—	—
CURBING	14	11.3	15	11.1
UTILITY POLE	24	19.4	24	17.8
GUARD RAIL	20	16.1	20	14.8
LEDGE OR BANK	3	2.4	3	2.2
SIGN SUPPORT	9	7.3	11	8.2
POSTS	2	1.6	3	2.2
STONE WALL	2	1.6	2	1.5
TREE	29	23.4	33	24.4
MISCELLANEOUS	8	6.4	10	7.4
TOTAL	124	100	135	100

TABLE XV

PEDESTRIAN FATALITIES IN URBAN AND RURAL AREAS

PEDESTRIAN ACTION	NUMBER KILLED	% OF TOTAL	URBAN	RURAL
CROSSING OR ENTERING AT INTERSECTION	15	15.0	14	1
CROSSING BETWEEN INTERSECTIONS	36	36.0	30	6
WALKING IN ROADWAY WITH TRAFFIC	12	12.0	11	1
WALKING IN ROADWAY AGAINST TRAFFIC	7	7.0	4	3
STANDING IN ROADWAY	12	12.0	11	1
GETTING ON OR OFF VEHICLES	—	—	—	—
PUSHING OR WORKING ON VEHICLE IN ROADWAY	4	4.0	4	—
WORKING IN ROADWAY	—	—	—	—
BICYCLIST	6	6.0	3	3
OTHER IN ROADWAY	1	1.0	1	—
NOT IN ROADWAY	3	3.0	2	1
NOT STATED	4	4.0	4	—
TOTALS	100	100	84	16

TABLE XVI

PEDESTRIAN FATALITES
BY AGE

PEDESTRIAN ACTION	PEDESTRIANS KILLED AGE								
	TOTAL	0-10	11-20	21-30	31-40	41-50	51-60	61-70	71 +
CROSSING OR ENTERING ROADWAYAT INTERSECTION	15	1	1	1	1	1	2	2	6
CROSSING BETWEEN INTERSECTIONS	36	5	8	2	2	1	9	6	3
WALKING IN ROADWAY WITH TRAFFIC	12	—	4	2	1	1	1	2	1
WALKING IN ROADWAY AGAINST TRAFFIC	7	—	2	—	2	2	—	—	1
STANDING IN ROADWAY	12	—	4	5	1	1	—	1	—
GETTING ON OR OFF OTHER VEHICLE	—	—	—	—	—	—	—	—	—
PUSHING OR WORKING ON VEHICLE IN ROADWAY	4	—	—	3	1	—	—	—	—
WORKING IN ROADWAY	—	—	—	—	—	—	—	—	—
PLAYING IN ROADWAY	—	—	—	—	—	—	—	—	—
OTHER IN ROADWAY—BICYCLIST	7	2	4	—	—	—	1	—	—
NOT IN ROADWAY	3	2	—	—	—	—	—	1	—
NOT STATED	4	—	—	1	1	1	—	1	—
*BICYCLIST — 6 TOTAL	100	10	23	14	9	7	13	13	11

TABLE XVII

FATAL ACCIDENTS BY TYPE OF VEHICLE INVOLVED

TYPE OF VEHICLE INVOLVED	NO. OF ACCIDENTS	% OF TOTAL	NO. OF FATALITIES	% OF TOTAL
PASSENGER CARS	328	86.8	378	87.7
PASSENGER CAR AND TRAILER	1	0.3	1	0.2
TRUCK OR TRUCK TRACTOR	21	5.5	23	5.3
TRUCK TRACTOR AND SEMI-TRAILER	3	0.8	3	0.7
OTHER TRUCK COMBINATION	1	0.3	1	0.2
TAXI CAB	—	—	—	—
BUS	3	0.8	3	0.7
SCHOOL BUS	—	—	—	—
MOTORCYCLE	11	2.9	11	2.6
MOTOR SCOOTER OR MOTORBIKE	—	—	—	—
OTHER AND NOT STATED	10	2.6	11	2.6
EMERGENCY VEHICLES	—	—	—	—
MILITARY VEHICLES	—	—	—	—
OTHER PUBLICLY OWNED VEHICLES	—	—	—	—
TOTALS	378	100.00	431	100.00

TABLE XVIII

FATAL ACCIDENTS

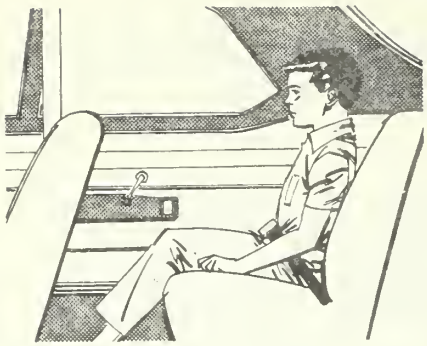
BY CLASSIFICATION

CLASSIFICATION OF MOTOR VEHICLE ACCIDENT COLLISION WITH:	NO. OF ACCIDENTS	NO. OF FATALITIES
MOTOR VEHICLE IN TRANSPORT	128	159
MOTOR VEHICLE ON OTHER ROADWAY	11	18
PARKED MOTOR VEHICLE	4	6
PEDESTRIAN	93	94
FIXED OBJECT	124	135
PEDALCYCLIST	6	6
NON-COLLISION	12	13
TOTALS	378	431

TABLE XIX

INVOLVEMENT OF PASSENGER VEHICLES
IN FATAL ACCIDENTS AND FATALITIES

	NUMBER & % INVOLVEMENT IN FATAL ACCIDENTS		NUMBER & % INVOLVEMENT IN FATALITIES	
DOMESTIC CARS	NO.	%	NO.	%
BUICK	16	4.6	16	4.1
CADILLAC	4	1.1	4	1.0
CHEVROLET	62	17.8	69	17.9
CHRYSLER	3	0.9	3	0.8
DODGE	24	6.9	25	6.5
FORD	59	16.9	68	17.6
MERCURY	9	2.6	9	2.3
OLDSMOBILE	14	4.0	16	4.1
PLYMOUTH	35	10.0	39	10.1
PONTIAC	22	6.3	25	6.5
RAMBLER	13	3.7	13	3.4
MISC. AMERICAN	7	2.0	8	2.1
FOREIGN CARS				
AUSTIN HEALEY	—	—	—	—
RENAULT	1	0.3	1	0.3
TRIUMPH	4	1.1	4	1.0
VOLKSWAGEN	32	9.2	37	9.6
MISC. FOREIGN	34	9.7	39	10.1
UNREPORTED	10	2.9	10	2.6
TOTALS	349	100.00	386	100.00



NUMBER OF PASSENGER VEHICLES & FATALITIES INVOLVED IN SEAT BELT USE -- 1972	
NUMBER OF VEHICLES EQUIPPED WITH SEAT BELTS	160
NUMBER OF VEHICLES NOT EQUIPPED WITH SEAT BELTS	39
UNKNOWN	62
	FATALITIES
SEAT BELTS IN USE	11
SEAT BELTS NOT IN USE	156
NOT EQUIPPED	41
UNKNOWN	89

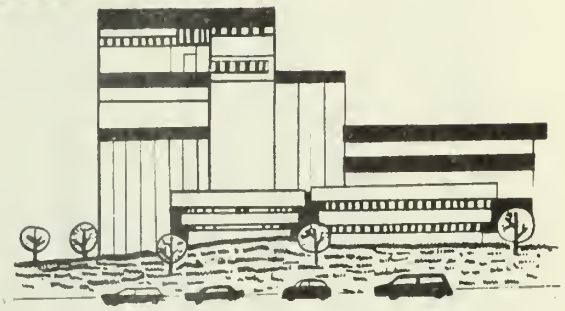


TABLE XX

LOCATION BY CITY/TOWN POPULATION GROUPS

GROUP NO.	POPULATION 1965 CENSUS	NO. OF ACCIDENTS	NO. OF FATALITIES
1	OVER 500,000	8	11
2	100,000 – 250,000	9	10
3	50,000 – 100,000	31	37
4	25,000 – 50,000	93	105
5	10,000 – 25,000	125	141
6	5000 – 10,000	55	60
7	1000 – 5000	54	64
8	UNDER – 1000	3	3
	TOTALS	378	431

TABLE XXI

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	URBAN																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UNDIVIDED HIGHWAY						TWO LANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	7	12			1	1					14	19					11	17
REAR END	12	12			2	2											4	4
ANGLE	5	7									15	18					9	12
DRIVING OFF ROADWAY	43	50			12	13					4	4	2	2			35	38
PEDESTRIAN	27	28			12	12					18	18					26	26
LEFT & U TURNS	1	1			2	2					1	1					4	4
RIGHT TURNS & CROSS MOVEMENTS					5	6					1	1					5	9
UNCLASSIFIED																		
TOTALS	95	110			34	36					53	61	2	2			94	110

TOTAL URBAN ACCIDENTS	278

TABLE XXII

TYPE OF ACCIDENT (A=FATAL ACCIDENT) (F=FATALITY)	RURAL *																	
	MULTILANE DIVIDED HIGHWAY						MULTILANE UND. HIGHWAY						TWOLANE PAVED HIGHWAY					
	ACCESS						ACCESS						ACCESS					
	FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE		FULL CONTROL		PARTIAL CONTROL		FREE	
	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
HEAD ON	3	3							1	1	4	5	1	1			13	16
REAR END	5	8									2	2						
ANGLE	3	5									2	2					2	2
DRIVING OFF ROADWAY	6	6			1	1			2	2	4	4					26	28
PEDESTRIAN	6	6									4	4					6	8
LEFT & U TURNS	1	1									2	2					2	3
RIGHT TURNS & CROSS MOVEMENTS																	3	3
UNCLASSIFIED																	1	1
TOTALS	24	29			1	1			3	3	18	19	1	1			53	59

TOTAL RURAL ACCIDENTS	100

TOTAL URBAN-RURAL ACCIDENTS	378

DO NOT
ENTER

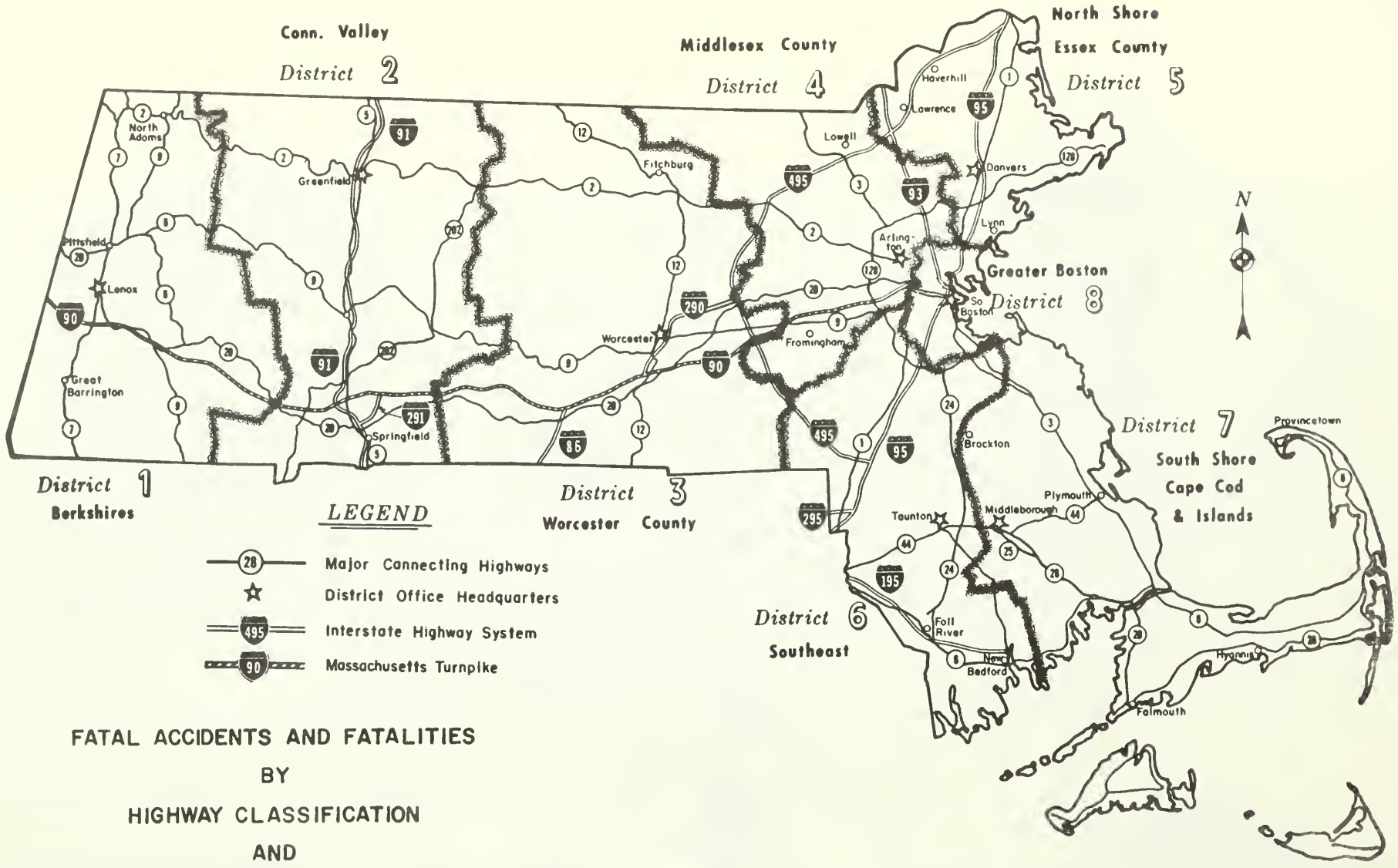
STOP

YIELD

TABLE XXIII

LOCATION BY ROUTE NUMBER

ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES	ROUTE NUMBER	NO. OF ACCIDENTS	NO. OF FATALITIES
1	24	29	23	2	2	103	1	1	131	1	1
1A	10	10	24	7	9	105	1	1	132	1	1
C1	2	2	25	3	3	107	2	2	133	1	1
2	24	30	28	14	18	110	5	5	135	1	3
2A	4	5	32	2	2	111	1	1	138	7	7
3	18	24	33	1	1	112	1	2	139	3	4
3A	14	15	37	1	1	113	1	1	140	5	5
4	1	1	38	3	3	114	8	8	146	4	4
5	3	3	44	3	3	116	3	3	159	2	2
6	20	24	53	3	3	119	2	4	169	1	1
6A	3	3	63	1	1	122	4	4	I-195	4	4
7	4	4	70	1	1	122A	1	1	197	1	1
8	4	4	I-86	1	1	123	1	1	I-291	1	1
9	15	17	88	1	1	125	2	3	I-295	2	2
10	1	2	I-91	11	11	126	1	2	I-495	12	14
12	3	4	I-93	14	17	127	6	6	MISC.	16	17
18	4	4	I-95	8	10	128	18	20	SEX	5	6
20	18	19	99	2	2	129	2	2	N.E.X.	1	1

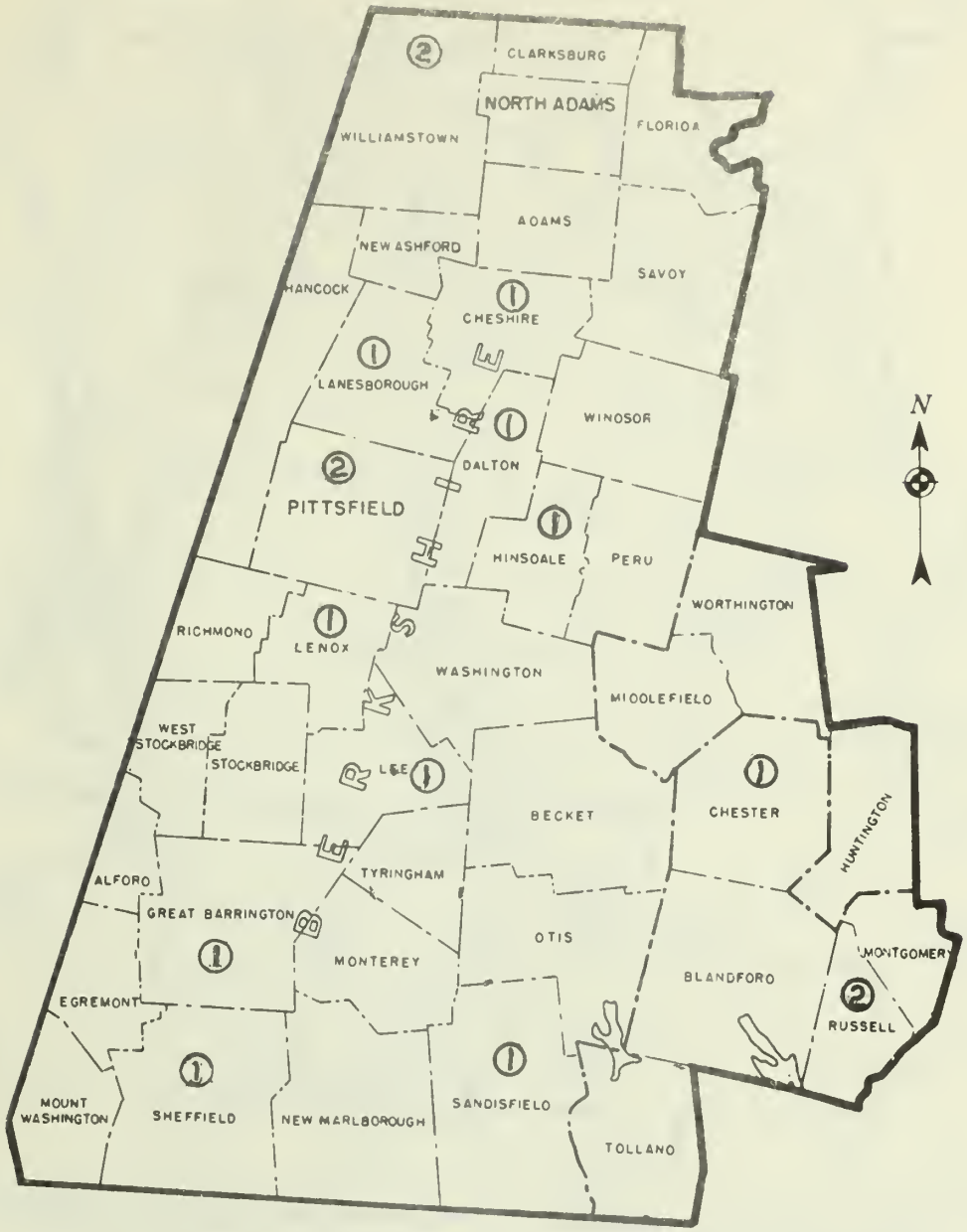


FATAL ACCIDENTS AND FATALITIES BY HIGHWAY CLASSIFICATION AND DISTRICT

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
INTERSTATE	52	59
PRIMARY	257	297
SECONDARY	53	58
MISCELLANEOUS	16	17
TOTALS	378	431

DISTRICT FATALITIES			
1	18	5	67
2	37	6	93
3	46	7	66
4	85	8	19
TOTALS 431			

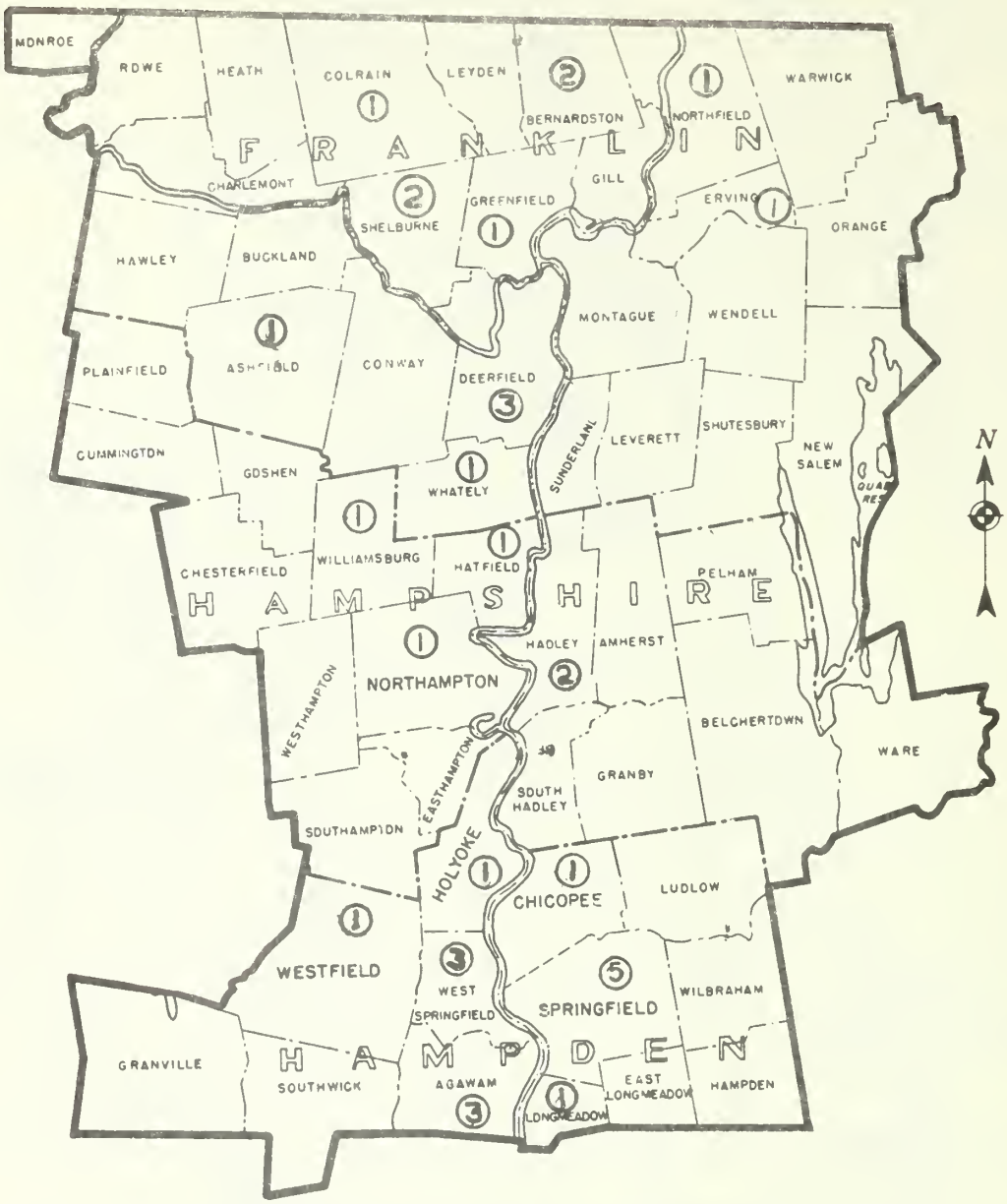
DISTRICT 1



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F.A. INTERSTATE	—	—
F.A. PRIMARY	14	16
F.A. SECONDARY	2	2
MISCELLANEOUS	—	—
TOTALS	16	18

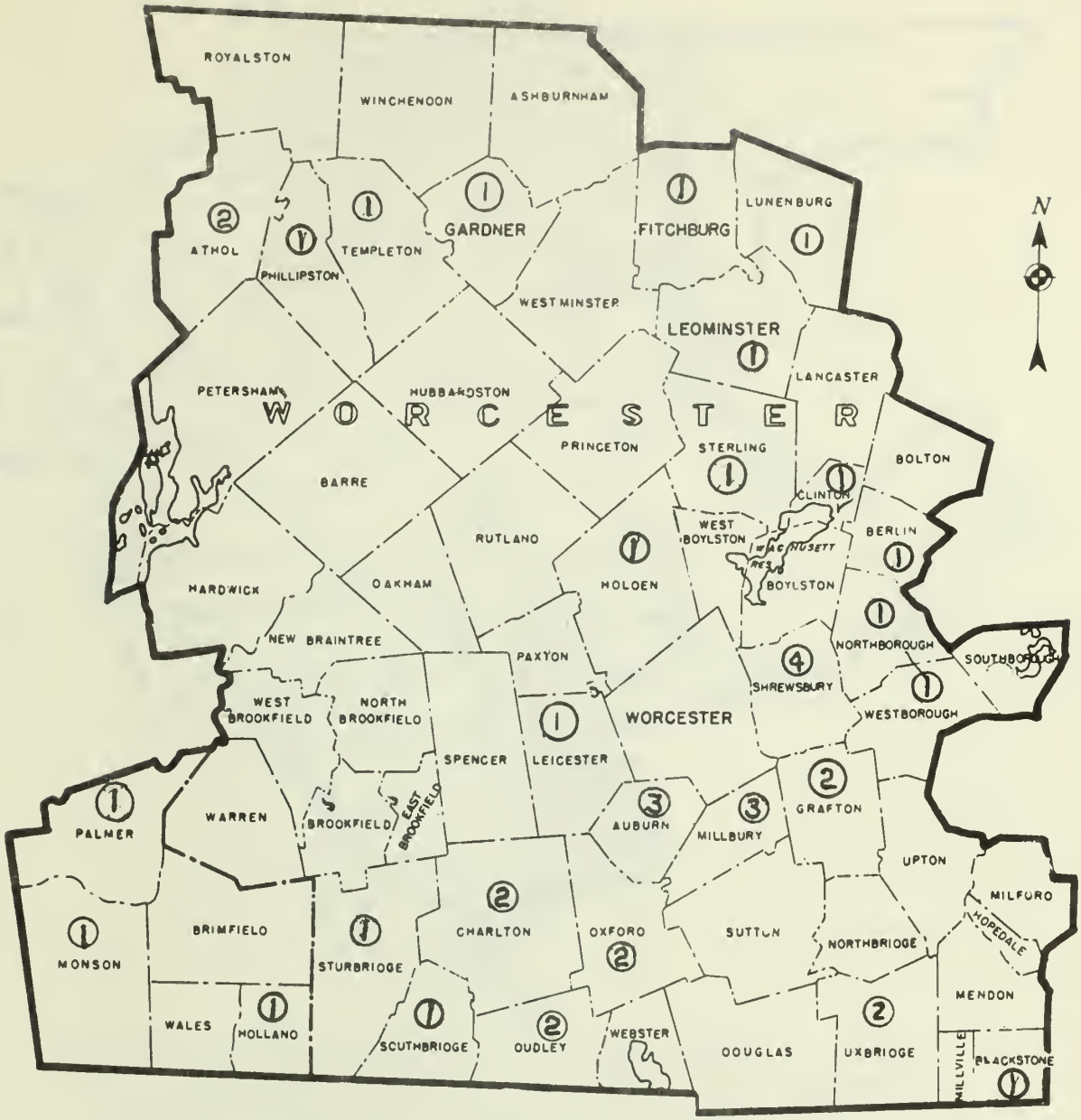
DISTRICT 2



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	12	12
F. A. PRIMARY	15	18
F. A. SECONDARY	5	6
MISCELLANEOUS	1	1
TOTALS	33	37

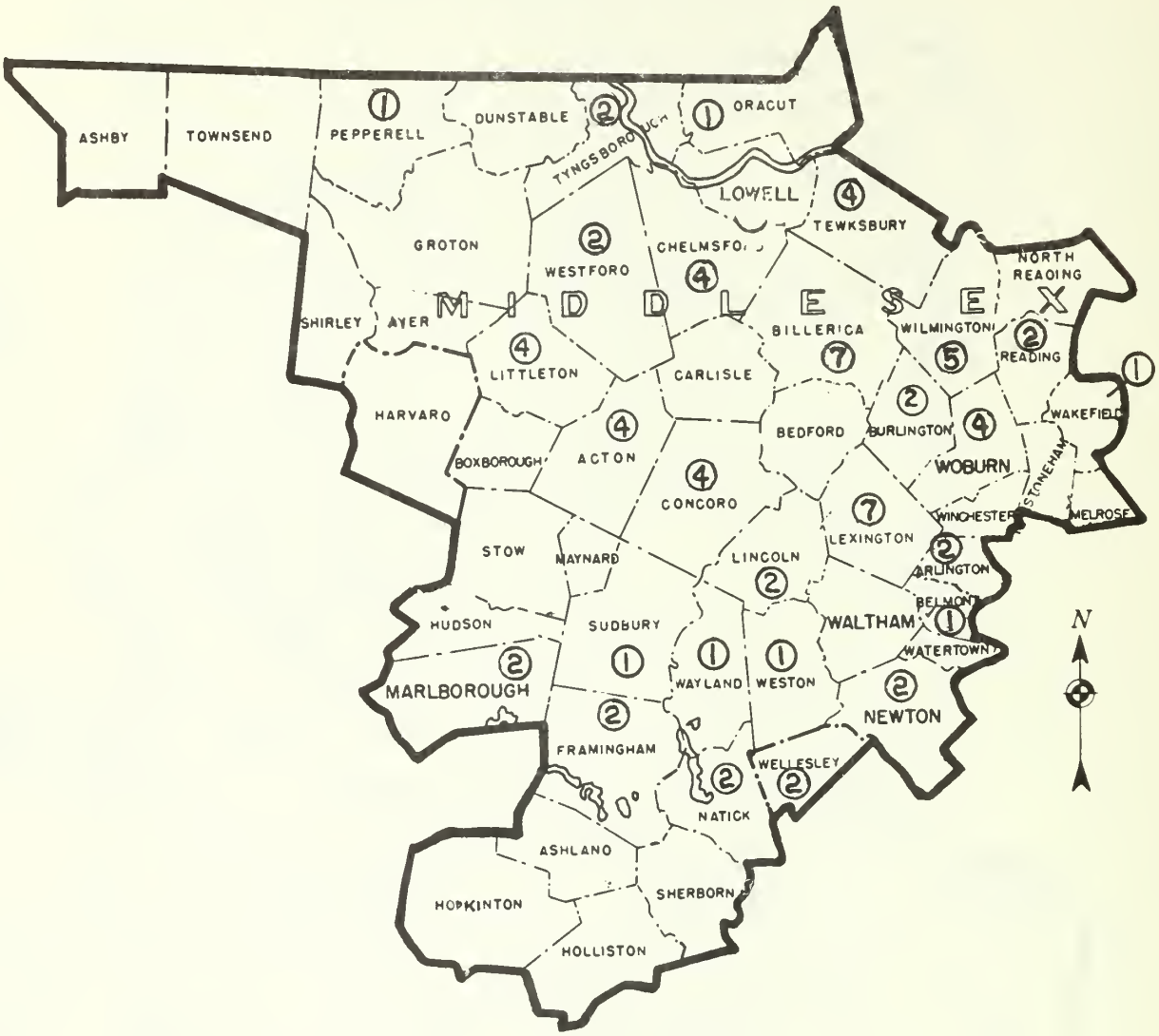
DISTRICT 3



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	2	3
F. A. PRIMARY	30	33
F. A. SECONDARY	8	9
MISCELLANEOUS	1	1
TOTALS	41	46

DISTRICT 4



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

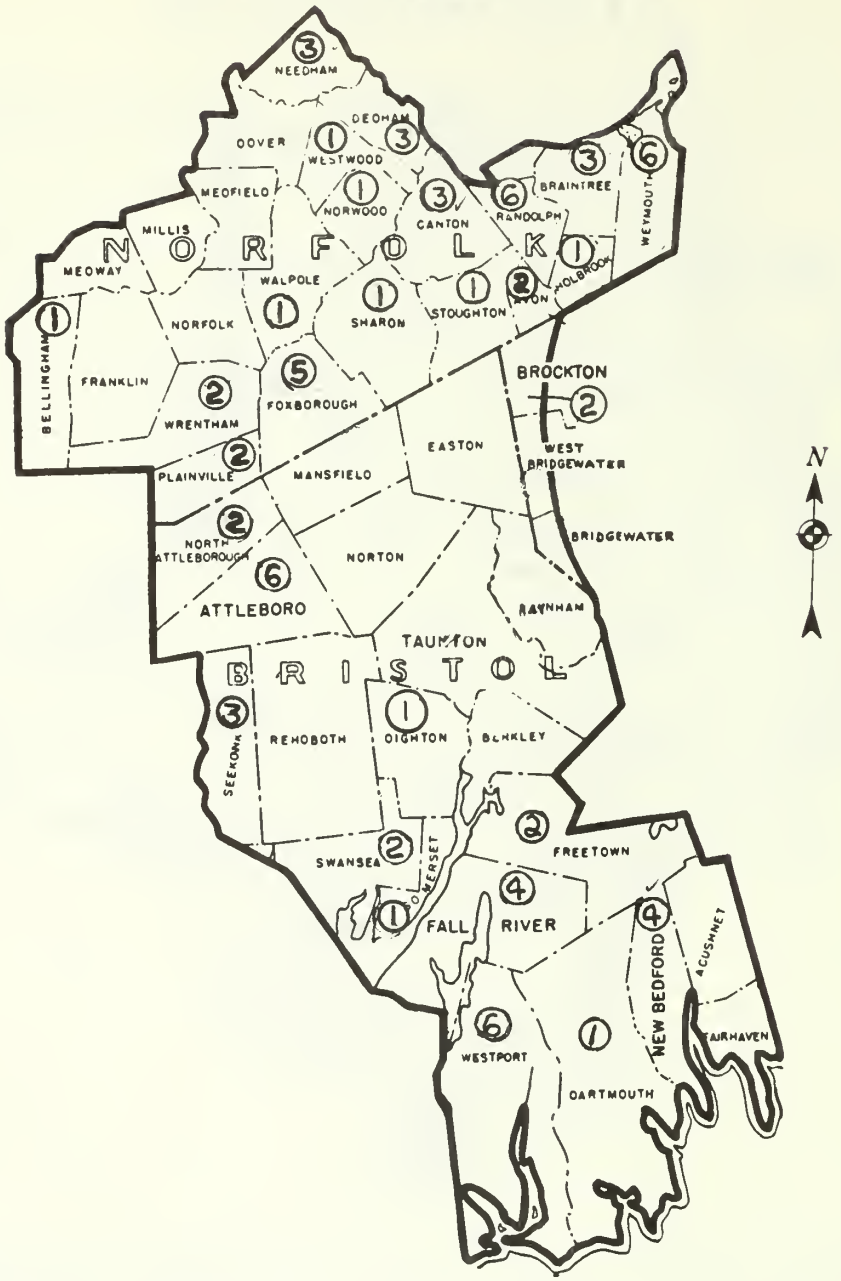
HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	12	14
F. A. PRIMARY	50	60
F. A. SECONDARY	8	10
MISCELLANEOUS	1	1
TOTALS	71	85

DISTRICT 5

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	13	17
F. A. PRIMARY	35	37
F. A. SECONDARY	13	13
MISCELLANEOUS	2	2
TOTALS	63	69

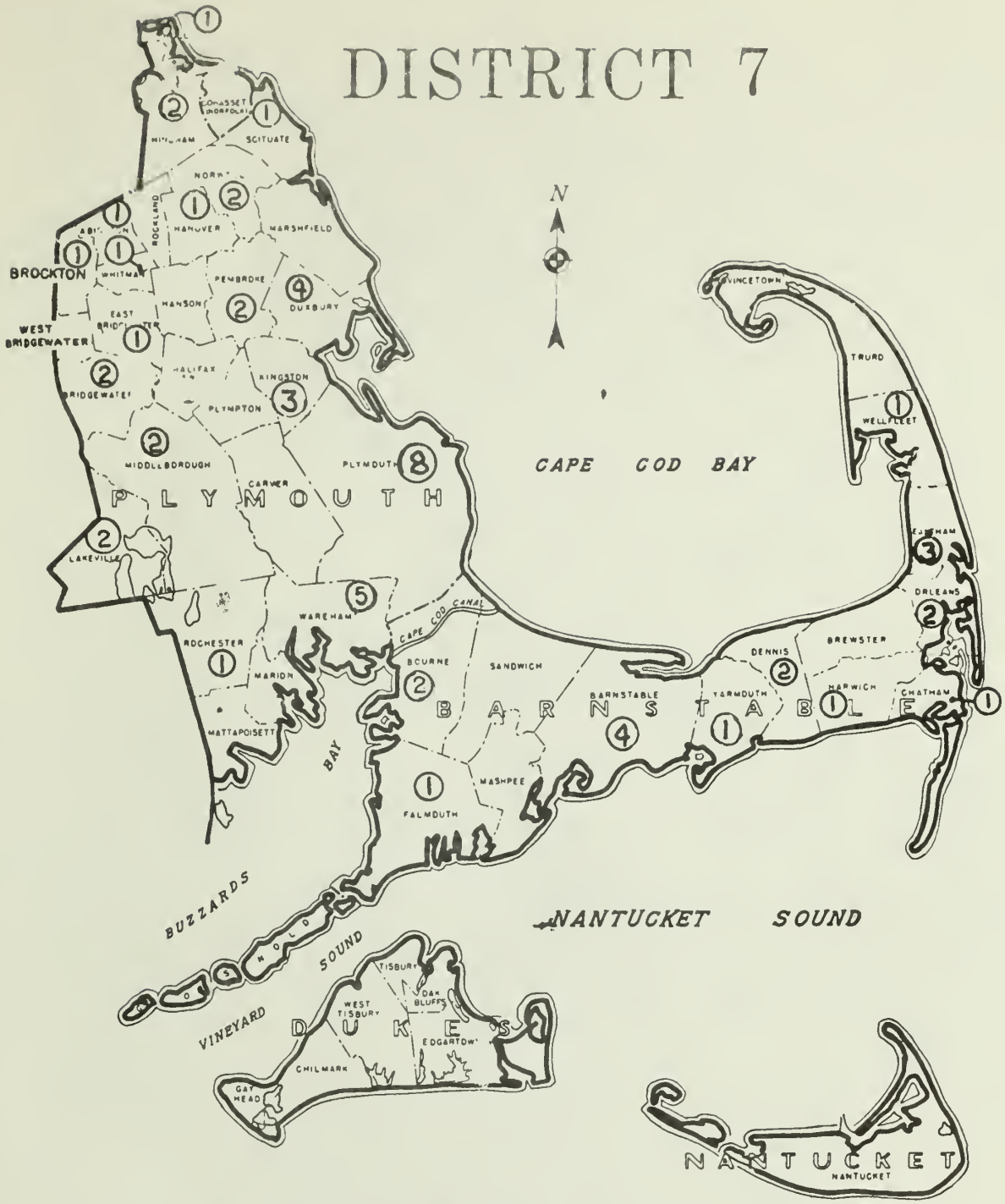
DISTRICT 6



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F.A. INTERSTATE	11	11
F.A. PRIMARY	53	63
F.A. SECONDARY	6	6
MISCELLANEOUS	6	6
TOTALS	76	86

DISTRICT 7



NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	—	—
F. A. PRIMARY	46	51
F. A. SECONDARY	9	10
MISCELLANEOUS	3	4
TOTALS	58	65

DISTRICT 8

NOTE: CIRCLES DENOTE NUMBER OF FATAL ACCIDENTS

HIGHWAY CLASSIFICATION	NO. OF ACCIDENTS	NO. OF FATALITIES
STATE HIGHWAY CLASS		
F. A. INTERSTATE	2	2
F. A. PRIMARY	14	19
F. A. SECONDARY	2	2
MISCELLANEOUS	2	2
TOTALS	20	25

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BOOKBINDING CO., INC.

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